National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	1 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CABLES & WIRES	Cross linked polyethylene insulated PVC sheathed cables for working voltage up to and including 1100 V	Hot deformation test	Cl. No.15 of IS 7098 (Part 1)
2	ELECTRICAL- CABLES & WIRES	Cross linked polyethylene insulated PVC sheathed cables for working voltage up to and including 1100 V	Shrinkage Test	Cl. No. 4.1 & 15 of IS 7098 (Part 1)
3	ELECTRICAL- CABLES & WIRES	Cross linked polyethylene insulated PVC sheathed cables for working voltage up to and including 1100 V	Volume resistivity (Insulation resistance test)	Cl. No. 4.1 & 15 of IS 7098 (Part 1)
4	ELECTRICAL- CABLES & WIRES	Cross linked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Volume resistivity (Insulation resistance test)	Cl. No. 5 & 19 of IS 7098 (Part 2)
5	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage up to and including 1100 V	Ageing in Air Oven	Cl. No. 4.1 & 15 of IS 7098 (Part 1)
6	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage up to and including 1100 V	Armour wires for Cables (Round, Formed, Strips)	Cl. No. 13.6 of IS 7098 (Part 1)
7	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage upto and including 1100 V	Water absorption test (Gravimetric)	Cl. No. 4.1, 15 of IS 7098 (Part 1)
8	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage upto and including 1100 V	Annealing Test	Cl. No. 15 of IS 7098 (Part 1)
9	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage upto and including 1100 V	Cold Bend Test	Cl. No. 15.4 of IS 7098 (Part 1)
10	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables for working voltage upto and including 1100 V	Cold Impact Test	Cl. No. 15.4 of IS 7098 (Part 1)
11	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Conductor Resistance Test	Cl. No.15 of IS 7098 (Part 1)
12	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Flame Retardant test on single cable	Cl. No. 16.10 of IS 7098 (Part 1)
13	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Flammability Test	Cl. No. 16.3 of IS 7098 (Part 1)
14	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Heat Shock Test	Cl. No. 15 of IS 7098 (Part 1)
15	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	High Voltage Test at RT	Cl. No. 16.2 of IS 7098 (Part 1)
16	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Hot Set Test	Cl. No. 4.1,15 & 16.2 of IS 7098 (Part 1)
17	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Loss of Mass Test	Cl. No. 15 of IS 7098 (Part 1)
18	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Tensile Strength & Elongation at break	Cl. No. 4.1,15 & Table 1 of IS 7098 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	2 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Test for halogen acid gas evolution	Cl. No. 16.13 of IS 7098 (Part 1)
20	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Test for oxygen index test	Cl. No. 16.9 of IS 7098 (Part 1)
21	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Test for temperature index	Cl. No. 16.9 of IS 7098 (Part 1)
22	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Thermal Stability Test	Cl. No. 15 of IS 7098 (Part 1)
23	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Thickness of insulation and Sheath / Dimensions	Cl. No. 9, 12,13 & 14 of IS 7098 (Part 1)
24	ELECTRICAL- CABLES & WIRES	Crosslinked polyethylene insulated PVC sheathed cables For working voltage upto and including 1100 V	Wrapping Test	Cl. No. 15 of IS 7098 (Part 1)
25	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Ageing in Air Oven	Cl. No. 5, 9, 19 & Table 1 of IS 7098 (Part 2)
26	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Annealing Test	Cl. No. 19 of IS 7098 (Part 2)
27	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Armour wires for Cables (Round, Formed, Strips)	Cl. No. 8.2 of IS 7098 (Part 2)
28	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Cold Bend Test	Cl. No. 15.4 of IS 7098 (Part 2)
29	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Cold Impact Test	Cl. No. 19.4 of IS 7098 (Part 2)
30	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Conductor Resistance Test	Cl. No. 19 of IS 7098 (Part 2)
31	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Flame Retardant test on single cable	Cl. No. 20.11 of IS 7098 (Part 2)
32	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Flammability Test	Cl. No. 20.8 of IS 7098 (Part 2)
33	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Heat Shock test	Cl. No. 19 of IS 7098 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 3 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
34	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	High Voltage Test at RT	Cl. No. 19 & 20.7 of IS 7098 (Part 2)
35	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Hot deformation test	Cl. No. 19 of IS 7098 (Part 2)
36	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Hot Set Test	Cl. No. 5 &19 of IS 7098 (Part 2)
37	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Loss of Mass Test	Cl. No. 19 of IS 7098 (Part 2)
38	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Shrinkage Test	Cl. No. 5 &19 of IS 7098 (Part 2)
39	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Tensile Strength & Elongation at break	Cl. No. 5,9 & 19 of IS 7098 (Part 2)
40	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Test for halogen acid gas evolution	Cl. No. 20.13 of IS 7098 (Part 2)
41	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Test for oxygen index test	Cl. No. 20.10 of IS 7098 (Part 2)
42	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Test for temperature index	Cl. No. 19.14 of IS 1554 (Part 2)
43	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Test for temperature index	Cl. No. 20.15 of IS 7098 (Part 2)
44	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Thermal Stability Test	Cl. No. 19 of IS 7098 (Part 2)
45	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Thickness of insulation and Sheath / Dimensions	Cl. No. 4.5.7,6.3,12,17.3, 18.3,&19 with Annex A of IS 7098 (Part 2)
46	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Water absorption test (Gravimetric)	Cl. No. 5 & 19 of IS 7098 (Part 2)
47	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene Insulated Thermoplastics Sheathed Cables for Working Voltages from 3.3 kV up to and Including 33 kV	Wrapping Test	Cl. No. 19 of IS 7098 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 4 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
48	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized steel wires, Formed wires and tapes for armouring of Cables	Dimensions & Tolerances	Cl. No. 7 of IS 3975
49	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized steel wires, Formed wires and tapes for armouring of Cables	Resistance (For round & formed wires only)	Cl. No. 8.4 of IS 3975
50	ELECTRICAL- CABLES & WIRES	Low Carbon Galvanized steel wires, Formed wires and tapes for armouring of Cables	Tensile Strength	Cl. No. 8.1 of IS 3975
51	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto & including 11kV	Annealing Test	Cl. No. 18 of IS 1554 (Part 2)
52	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Loss of Mass Test	Cl. No. 18 of IS 1554 (Part 2)
53	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Conductor Resistance Test	Cl. No. 18 of IS 1554 (Part 2)
54	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Ageing in Air Oven	Cl. No. 18 of IS 1554 (Part 2)
55	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Flammability Test	Cl. No. 19.8 of IS 1554 (Part 2)
56	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Heat Shock test	Cl. No. 18 of IS 1554 (Part 2)
57	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	High voltage test	Cl. No. 19.7 of IS 1554 (Part 2)
58	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	High Voltage Test at RT	Cl. No. 19.7 of IS 1554 (Part 2)
59	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Hot deformation test	Cl. No. 18 of IS 1554 (Part 2)
60	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Insulation Resistance Test	Cl. No. 18 of IS 1554 (Part 2)
61	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Oxygen index test	Cl. No. 19.9 of IS 1554 (Part 2)
62	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Shrinkage Test	Cl. No. 18 of IS 1554 (Part 2)
63	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Tensile Strength & Elongation at break	Cl. No. 18 of IS 1554 (Part 2)
64	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Test for halogen acid gas evolution	Cl. No. 19.13 of IS 1554 (Part 2)
65	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Test for thickness of insulation and sheath	Cl. No. 11, 15 & 18 of IS 1554 (Part 2)
66	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Thermal Stability	Cl. No. 18 of IS 1554 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	5 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
67	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Thickness of insulation and Sheath / Dimensions	Cl. No. 18, 11, 15 & 17 of of IS 1554 (Part 2)
68	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Water absorption test (Gravimetric)	Cl. No. 18 of IS 1554 (Part 2)
69	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables For Working Voltages from 3.3kV upto& including 11kV	Wrapping Test	Cl. No. 18 of IS 1554 (Part 2)
70	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric Cables for Working Voltages upto & including 1100V	Test for temperature index	Cl. No. 16.10 of IS 1554 (Part 1)
71	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Annealing Test	Cl. No. 15 of IS 1554 (Part 1)
72	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Conductor Resistance Test	Cl. No. 15 of IS 1554 (Part 1)
73	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Tensile Strength & Elongation at break	Cl. No. 15 of IS 1554 (Part 1)
74	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	High Voltage Test at RT	Cl. No. 16.2 of IS 1554 (Part 1)
75	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Test for halogen acid gas evolution	Cl. No. 15 of IS 1554 (Part 1)
76	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Ageing in Air Oven	Cl. No. 15 of IS 1554 (Part 1)
77	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Flame Retardant test on single cable	Cl. No. 16.6 of IS 1554 (Part 1)
78	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Flammability Test	Cl. No. 16.4 of IS 1554 (Part 1)
79	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Heat Shock test	Cl. No. 15 of IS 1554 (Part 1)
80	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	High Voltage (Water Immersion Test)	Cl. No. 16.3 of IS 1554 (Part 1)
81	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Hot deformation test / Pressure test at high temperature	Cl. No. 15 of IS 1554 (Part 1
82	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Insulation Resistance Test	Cl. No. 15 of IS 1554 (Part 1)
83	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Loss of mass in air oven	Cl. No. 18 of IS 1554 (Part 1)
84	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Oxygen index test	Cl. No. 16.5 of IS 1554 (Part 1)
85	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Shrinkage test	Cl. No. 15 of IS 1554 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	6 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
86	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Test for thickness of insulation and sheath	Cl. No. 15 of IS 1554 (Part 1)
87	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty)Electric Cables For Working Voltages upto& including 1100V	Wrapping Test	Cl. No. 15 of IS 1554 (Part 1)
88	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Additional Ageing Test	Cl. No. 10.9 of IS 694
89	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Ageing in Air Oven	Cl. No. 15 of IS 694
90	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Annealing Test	Cl. No. 4.1 of IS 694
91	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Cold Bend Test	Cl. No. 10 of IS 694
92	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Cold Impact Test	Cl. No. 10 of IS 694
93	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Flammability Test	Cl. No. 10.4 of IS 694
94	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Heat Shock test	Cl. No. 10 of IS 694
95	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	High Voltage (Water Immersion Test)	Cl. No. 10.1 of IS 694
96	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	High Voltage Test at RT	Cl. No. 10.2 of IS 694
97	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Hot deformation test	Cl. No. 10 of IS 694
98	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Insulation Resistance Test	Cl. No. 10 of IS 694
99	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Persulphate Test	Cl. No. 10.11 of IS 694
100	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Shrinkage Test	Cl. No. 10 of IS 694
101	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Tensile Strength & Elongation at break	Cl. No. 10 Table 1 of IS 694
102	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Test for halogen acid gas evolution	Cl. No. 10.6 of IS 694
103	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Test for oxygen index test	Cl. No. 10.5 of IS 694
104	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Test for temperature index	Cl. No. 10.7 of IS 694

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	7 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
105	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Thermal Stability Test	Cl. No. 10 of IS 694
106	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for rated voltages up to & including 1100V	Thickness of insulation and Sheath / Dimensions	Cl. No. 5.3, 8.3 & 9 of IS 694
107	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to & including 1100V	Conductor Resistance Test	Cl. No. 4.2& 10 of IS 694
108	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to & including 1100V	Loss of Mass Test	Cl. No. 10 of IS 694
109	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to & including 1100V	Wrapping Test	Cl. No. 10 of IS 694
110	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Ball-Pressure Test	Cl. No. 5.1.17.1 of IEC 60252-2
111	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Ball-Pressure Test	Cl. No. 5.17.1 of IEC 60252-1
112	ELECTRICAL- CAPACITORS	AC Motor capacitor	Capacitance Measurement test	Cl. No. 2.9 of IS 2993
113	ELECTRICAL- CAPACITORS	AC Motor capacitor	Capacitance Measurement test	Cl. No. 2.9 of IS 2993
114	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Capacitance Measurement Test	Cl. No. 5.1.9 of IEC 60252-2
115	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Capacitance Measurement Test	Cl. No. 5.1.9 of IEC 60252-2
116	ELECTRICAL- CAPACITORS	AC Motor capacitor	Capacitance Measurement test	Cl. No. 5.9 of IEC 60252-1
117	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Capacitance Measurement Test	Cl. No. 5.9 of IEC 60252-1
118	ELECTRICAL- CAPACITORS	AC Motor capacitor	Check of dimensions	Cl. No. 2.10 of IS 2993
119	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Check of Dimensions	Cl. No. 5.1.10 of IEC 60252-2
120	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Check of Dimensions	Cl. No. 5.10 of IEC 60252-1
121	ELECTRICAL- CAPACITORS	AC Motor capacitor	Creepage Distances and Clearances	Cl. No. 4.1 of IS 2993
122	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Creepage Distances and Clearances	Cl. No. 5.3.1 of IEC 60252-2
123	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Creepage Distances and Clearances	Cl. No. 7.1 of IEC 60252-1
124	ELECTRICAL- CAPACITORS	AC Motor capacitor	Damp-Heat Test	Cl. no. 2.14 of IS 2993
125	ELECTRICAL- CAPACITORS	AC Motor capacitor	Damp-Heat Test	Cl. no. 2.14 of IS 2993
126	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Damp-Heat Test	Cl. No. 5.1.14 of IEC 60252-2
127	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Damp-Heat Test	Cl. No. 5.1.14 of IEC 60252-2
128	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Damp-Heat Test	Cl. No. 5.14 of IEC 60252-1
129	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Damp-Heat Test	Cl. No. 5.14 of IEC 60252-1
130	ELECTRICAL- CAPACITORS	AC Motor capacitor	Destruction test	Cl. no. 2.16 of IS 2993

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	8 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
131	ELECTRICAL- CAPACITORS	AC Motor capacitor	Destruction test	Cl. no. 2.16 of IS 2993
132	ELECTRICAL- CAPACITORS	AC Motor capacitor	Destruction test	Cl. no. 2.16 of IS 2993
133	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.1.16 of IEC 60252-2
134	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.1.16 of IEC 60252-2
135	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.1.16 of IEC 60252-2
136	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.16 of IEC 60252-1
137	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.16 of IEC 60252-1
138	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Destruction Test	Cl. No. 5.16 of IEC 60252-1
139	ELECTRICAL- CAPACITORS	AC Motor capacitor	Discharge Devices	Cl. no. 4.4 of IS 2993
140	ELECTRICAL- CAPACITORS	AC Motor capacitor	Discharge Devices	Cl. no. 4.4 of IS 2993
141	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Discharge Devices	Cl. no. 5.3.4 of IEC 60252-2
142	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Discharge Devices	Cl. No. 5.3.4 of IEC 60252-2
143	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Discharge Devices	Cl. No. 7.4 of IEC 60252-1
144	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Discharge Devices	Cl. No. 7.4 of IEC 60252-1
145	ELECTRICAL- CAPACITORS	AC Motor capacitor	Earth Connections	Cl. no. 4.3 of IS 2993
146	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Earth Connections	Cl. No. 5.3.3 of IEC 60252-2
147	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Earth Connections	Cl. No. 7.3 of IEC 60252-1
148	ELECTRICAL- CAPACITORS	AC Motor capacitor	Endurance Test	Cl. no. 2.13 of IS 2993
149	ELECTRICAL- CAPACITORS	AC Motor capacitor	Endurance Test	Cl. no. 2.13 of IS 2993
150	ELECTRICAL- CAPACITORS	AC Motor capacitor	Endurance Test	Cl. no. 2.13 of IS 2993
151	ELECTRICAL- CAPACITORS	AC Motor capacitor	Endurance Test	Cl. no. 2.13 of IS 2993
152	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.1.13 of IEC 60252-2
153	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.1.13 of IEC 60252-2
154	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.1.13 of IEC 60252-2
155	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.1.13 of IEC 60252-2
156	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.13 of IEC 60252-1
157	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.13 of IEC 60252-1
158	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.13 of IEC 60252-1
159	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Endurance Test	Cl. No. 5.13 of IEC 60252-1
160	ELECTRICAL- CAPACITORS	AC Motor capacitor	Fixing Bolt or Stud	Cl. No. 2.11.4 of IS 2993

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 9 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
161	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Fixing Bolt or stud	Cl. No. 5.1.11.4 of IEC 60252-2
162	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Fixing Bolt or Stud	Cl. No. 5.11.4 of IEC 60252-1
163	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Glow-Wire Test	Cl. No. 5.1.17.2 of IEC 60252-2
164	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Glow-Wire Test	Cl. No. 5.17.2 of IEC 60252-1
165	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Marking	Cl. No. 5.1 of IS 2993
166	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Marking	Cl. No. 5.4 of IEC 60252-2
167	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Marking	Cl. No. 8 of IEC 60252-1
168	ELECTRICAL- CAPACITORS	AC Motor capacitor	Measurement of Tangent of Loss angle	Cl. No. 2.5 of IS 2993
169	ELECTRICAL- CAPACITORS	AC Motor capacitor	Measurement of Tangent of Loss angle	Cl. No. 2.5 of IS 2993
170	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Measurement of Tangent of Loss Angle	Cl. No. 5.1.5 of IEC 60252-2
171	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Measurement of Tangent of Loss Angle	Cl. No. 5.1.5 of IEC 60252-2
172	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Measurement of Tangent of Loss Angle	Cl. No. 5.5 of IEC 60252-1
173	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Measurement of Tangent of Loss Angle	Cl. No. 5.5 of IEC 60252-1
174	ELECTRICAL- CAPACITORS	AC Motor capacitor	Permissible Overloads	Cl. No. 3.1 of IS 2993
175	ELECTRICAL- CAPACITORS	AC Motor capacitor	Permissible Overloads	Cl. No. 3.1 of IS 2993
176	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Permissible Overloads	Cl. No. 5.2 of IEC 60252-2
177	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Permissible Overloads	Cl. No. 5.2 of IEC 60252-2
178	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Permissible Overloads	Cl. No. 6 of IEC 60252-1
179	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Permissible Overloads	Cl. No. 6 of IEC 60252-1
180	ELECTRICAL- CAPACITORS	AC Motor capacitor	Sealing Test	Cl. No. 2.12 of IS 2993
181	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Sealing Test	Cl. No. 5.1.12 of IEC 60252-2
182	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Sealing Test	Cl. No. 5.12 of IEC 60252-1
183	ELECTRICAL- CAPACITORS	AC Motor capacitor	Self-Healing Test	Cl. No. 2.15 of IS 2993
184	ELECTRICAL- CAPACITORS	AC Motor capacitor	Self-Healing Test	Cl. No. 2.15 of IS 2993
185	ELECTRICAL- CAPACITORS	AC Motor capacitor	Self-Healing Test	Cl. No. 2.15 of IS 2993
186	ELECTRICAL- CAPACITORS	AC Motor capacitor	Self-Healing Test	Cl. No. 2.15 of IS 2993
187	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.1.15 of IEC 60252-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 10 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
188	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.1.15 of IEC 60252-2
189	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.1.15 of IEC 60252-2
190	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.1.15 of IEC 60252-2
191	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.15 of IEC 60252-1
192	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.15 of IEC 60252-1
193	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.15 of IEC 60252-1
194	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Self-Healing Test	Cl. No. 5.15 of IEC 60252-1
195	ELECTRICAL- CAPACITORS	AC Motor capacitor	Soldering Test	Cl. No. 2.11.2 of IS 2993
196	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Soldering Test	Cl. No. 5.1.11.2 of IEC 60252-2
197	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Soldering Test	Cl. No. 5.11.2 of IEC 60252-1
198	ELECTRICAL- CAPACITORS	AC Motor capacitor	Terminals and Connecting Cables	Cl. no. 4.2 of IS 2993
199	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Terminals and Connecting Cables	Cl. No. 5.3.2 of IEC 60252-2
200	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Terminals and Connecting Cables	Cl. No. 7.2 of IEC 60252-1
201	ELECTRICAL- CAPACITORS	AC Motor capacitor	Test for Robustness of the Termination	Cl. No. 2.11.1 of IS 2993
202	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Test for Robustness of the Termination	Cl. No. 5.1.11.1 of IEC 60252-2
203	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Test for Robustness of the Termination	Cl. No. 5.11.1 of IEC 60252-1
204	ELECTRICAL- CAPACITORS	AC Motor capacitor	Test of Screw Terminals	Cl. No. 2.11.1.4 of IS 2993
205	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Test of Screw Terminals	Cl. No. 5.1.11.1.4 of IEC 60252-2
206	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Test of Screw Terminals	Cl. No. 5.11.1.4 of IEC 60252-1
207	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Tracking Test	Cl. No. 5.1.17.3 of IEC 60252-2
208	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Tracking Test	Cl. No. 5.17.3 of IEC 60252-1
209	ELECTRICAL- CAPACITORS	AC Motor capacitor	Verification of Marking and Physical Condition	Cl. No. 2.11.1.5 of IS 2993
210	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Verification of Marking and Physical Condition	Cl. No. 5.1.11.1.5 of IEC 60252-2
211	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Verification of Marking and Physical Condition	Cl. No. 5.11.1.5 of IEC 60252-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 11 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
212	ELECTRICAL- CAPACITORS	AC Motor capacitor	Verification of Rating	IS 2993
213	ELECTRICAL- CAPACITORS	AC Motor capacitor	Vibration Test	Cl. No. 2.11.3 of IS 2993
214	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Vibration Test	Cl. No. 5.1.11.3 of IEC 60252-2
215	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Vibration Test	Cl. No. 5.11.3 of IEC 60252-1
216	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Visual Examination & Durability of Marking	Cl. No. 2.6 of IS 2993
217	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Visual Examination & Durability of Marking	Cl. No. 5.1.6 of IEC 60252-2
218	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Visual Examination & Durability of Marking	Cl. No. 5.6 of IEC 60252-1
219	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 2.7 of IS 2993
220	ELECTRICAL- CAPACITORS	AC Motor capacitor	Voltage Test Between Terminals	Cl. No. 2.7 of IS 2993
221	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 2.7 of IS 2993
222	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.1.7 of IEC 60252-2
223	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.1.7 of IEC 60252-2
224	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.1.7 of IEC 60252-2
225	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.7 of IEC 60252-1
226	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.7 of IEC 60252-1
227	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals	Cl. No. 5.7 of IEC 60252-1
228	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test between Terminals and Case	Cl. No. 2.8 of IS 2993
229	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 2.8 of IS 2993
230	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 2.8 of IS 2993
231	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.1.8 of IEC 60252-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	12 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
232	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.1.8 of IEC 60252-2
233	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.1.8 of IEC 60252-2
234	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.8 of IEC 60252-1
235	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.8 of IEC 60252-1
236	ELECTRICAL- CAPACITORS	AC Motor Capacitor	Voltage Test Between Terminals and Case	Cl. No. 5.8 of IEC 60252-1
237	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance as a Function of Temperature	Cl. No. 7.13 of IS 1709
238	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance as a Function of Temperature	Cl. No. 7.13 of IS 1709
239	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance as a Function of Temperature	Cl. No. 7.13 of IS 1709
240	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance Measurement Test	Cl. No. 7.5 of IS 1709
241	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Capacitance Measurement Test	Cl. No. 7.5 of IS 1709
242	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Check of dimensions	Cl. No. 1.2 of IS 1709
243	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Damp-Heat Test	Cl. No. 7.15 of IS 1709
244	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Damp-Heat Test	Cl. No. 7.15 of IS 1709
245	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Destruction Test	Cl. No. 7.17 of IS 1709
246	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Destruction Test	Cl. No. 7.17 of IS 1709
247	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Destruction Test	Cl. No. 7.17 of IS 1709
248	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Destruction Test	Cl. No. 7.17 of IS 1709
249	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Endurance Test	Cl. No. 7.16 of IS 1709
250	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Endurance Test	Cl. No. 7.16 of IS 1709
251	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Endurance Test	Cl. No. 7.16 of IS 1709
252	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Endurance Test	Cl. No. 7.16 of IS 1709
253	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Insulation Resistance	Cl. No. 7.3 of IS 1709
254	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Insulation Resistance	Cl. No. 7.3 of IS 1709
255	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Marking	Cl. No. 6 of IS 1709
256	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Material, Workmanship and finish	Cl. No. 5 of IS 1709

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	13 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
257	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Measurement of Tangent of Loss angle	Cl. No. 7.6 of IS 1709
258	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Measurement of Tangent of Loss angle	Cl. No. 7.6 of IS 1709
259	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Sealing Test	Cl. No. 7.12 of IS 1709
260	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Self-Healing Test	Cl. No. 7.14 of IS 1709
261	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Self-Healing Test	Cl. No. 7.14 of IS 1709
262	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Self-Healing Test	Cl. No. 7.14 of IS 1709
263	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Self-Healing Test	Cl. No. 7.14 of IS 1709
264	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Soldering Test	Cl. No. 7.11 of IS 1709
265	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for flexibility of lead terminations	Cl. No. 7.8 of IS 1709
266	ELECTRICAL- CAPACITORS	Capacitors for Electric Fan Motors	Test for flexibility of soldering tags	Cl. No. 7.9 of IS 1709
267	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for Robustness of the Termination	Cl. No. 7.7 of IS 1709
268	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Test for Screw Terminals	Cl. No. 7.10 of IS 1709
269	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Verification of Physical Condition	Cl. No. 7.2 of IS 1709
270	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Verification of Rating	Cl. No. 3 of IS 1709
271	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Voltage Test	Cl. No. 7.4 of IS 1709
272	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Voltage Test	Cl. No. 7.4 of IS 1709
273	ELECTRICAL- CAPACITORS	Capacitors for electric fan motors	Voltage Test	Cl. No. 7.4 of IS 1709
274	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Other Safety Requirements	Cl. No. 25 of IS 13585 (Part 1)
275	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Ageing Test	Cl. No. 17 of IS 13585 (Part 1)
276	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Capacitance Measurement and Output Calculation	Cl. No. 7 of IS 13585 (Part 1)
277	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Container Connections	Cl. No. 23 of IS 13585 (Part 1)
278	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Destruction Test	Cl. No. 19 of IS 13585 (Part 1)
279	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Discharge Device	Cl. No. 22 of IS 13585 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	14 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
280	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Discharge Test	Cl. No. 16 of IS 13585 (Part 1)
281	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Disconnecting Test on Internal Fuses	Cl. No. 6.2j of IS 13585 (Part 1)
282	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Lightning impulse voltage test between terminals and container	Cl. No. 15 of IS 13585 (Part 1)
283	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Maximum Permissible Current	Cl. No. 21 of IS 13585 (Part 1)
284	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Maximum Permissible Voltage	Cl. No. 20 of IS 13585 (Part 1)
285	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Measurement of the tangent of the loss angle (tan d) of the capacitor	Cl. No. 8 of IS 13585 (Part 1)
286	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Measurement of the tangent of the loss angle (tan d) of the capacitor at elevated temperature	Cl. No. 14 of IS 13585 (Part 1)
287	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Protection of the Environment	Cl. No. 24 of IS 13585 (Part 1)
288	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Sealing Test	Cl. No. 12 of IS 13585 (Part 1)
289	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Test of the Internal Discharge Device	Cl. No. 11 of IS 13585 (Part 1)
290	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Thermal Stability Test	Cl. No. 13 of IS 13585 (Part 1)
291	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Verification of Marking	Cl. No. 26 of IS 13585 (Part 1)
292	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Verification of Marking	Cl. No. 27 of IS 13585 (Part 1)
293	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Voltage Test Between Terminals	Cl. No. 9 of IS 13585 (Part 1)
294	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Non-Self-Healing type for ac Systems having a Rated Voltage up to and Including 1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IS 13585 (Part 1)
295	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Other Safety Requirements	Cl. No. 25 of IEC 60831-1
296	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Other Safety Requirements	Cl. No. 25 of IS 13340-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 15 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
297	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IEC 60831-1
298	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IEC 60831-1
299	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IEC 60831-1
300	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IS 13340-1
301	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IS 13340-1
302	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	ac Voltage Test Between Terminals	Cl. No. 9 of IS 13340-1
303	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IEC 60831 Part 1 & 2
304	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IEC 60831 Part 1 & 2
305	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IEC 60831 Part 1 & 2
306	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IEC 60831 Part 1 & 2
307	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IEC 60831 Part 1 & 2
308	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IS 13340-1
309	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IS 13340-1
310	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IS 13340-1
311	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IS 13340-1
312	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Ageing Test	Cl. No. 17 of IS 13340-1
313	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Capacitance Measurement and Output Calculation	Cl. No. 7 of IEC 60831-1
314	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Capacitance Measurement and Output Calculation	Cl. No. 7 of IEC 60831-1
315	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Capacitance Measurement and Output Calculation	Cl. No. 7 of IS 13340-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	16 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
316	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Capacitance Measurement and Output Calculation	Cl. No. 7 of IS 13340-1
317	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Container Connections	Cl. No. 23 of IEC 60831-1
318	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Container Connections	Cl. No. 23 of IS 13340-1
319	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IEC 60831 Part 1 & 2
320	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IEC 60831 Part 1 & 2
321	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IEC 60831 Part 1 & 2
322	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IEC 60831 Part 1 & 2
323	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IEC 60831 Part 1 & 2
324	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IS 13340-1
325	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IS 13340-1
326	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IS 13340-1
327	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IS 13340-1
328	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Destruction Test	Cl. No. 19 of IS 13340-1
329	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Device	Cl. No. 22 of IEC 60831-1
330	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Device	Cl. No. 22 of IEC 60831-1
331	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Device	Cl. No. 22 of IS 13340-1
332	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Device	Cl. No. 22 of IS 13340-1
333	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IEC 60831-1
334	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IEC 60831-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	17 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
335	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IEC 60831-1
336	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IS 13340-1
337	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IS 13340-1
338	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Discharge Test	Cl. No. 16 of IS 13340-1
339	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Lightning Impulse Voltage Test between terminals and Container	Cl. No. 15 of IEC 60831-1
340	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Lightning Impulse Voltage Test Between Terminals and Container	Cl. No. 15 of IS 13340-1
341	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Maximum Permissible Current	Cl. No. 21 of IEC 60831-1
342	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Maximum Permissible Current	Cl. No. 21 of IS 13340-1
343	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Maximum Permissible Voltage	Cl. No. 20 of IEC 60831-1
344	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Maximum Permissible Voltage	Cl. No. 20 of IS 13340-1
345	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of Tangent (Tan d) of loss angle of capacitor	Cl. No. 8 of IEC 60831-1
346	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the loss angle of Capacitor	Cl. No. 8 of IS 13340-1
347	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the loss angle of Capacitor	Cl. No. 8 of IS 13340-1
348	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the loss angle of the capacitor	Cl. No. 8 of IEC 60831-1
349	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IEC 60831-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	18 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
350	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IEC 60831-1
351	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IS 13340-1
352	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of the Tangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IS 13340-1
353	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of theTangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IEC 60831-1
354	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Measurement of theTangent (Tan d) of the Loss angle of the Capacitor at Elevated Temperature	Cl. No. 14 of IS 13340-1
355	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Protection of the Environment	Cl. No. 24 of IEC 60831-1
356	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Protection of the Environment	Cl. No. 24 of IS 13340-1
357	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Sealing Test	Cl. No. 12 of IEC 60831-1
358	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Sealing Test	Cl. No. 12 of IS 13340-1
359	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IEC 60831 Part 1 & 2
360	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IEC 60831 Part 1 & 2
361	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IEC 60831 Part 1 & 2
362	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IEC 60831 Part 1 & 2
363	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IEC 60831 Part 1 & 2
364	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IS 13340-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	19 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
365	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IS 13340-1
366	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IS 13340-1
367	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Self-Healing Test	Cl. No. 18 of IS 13340-1
368	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IEC 60831-1
369	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IEC 60831-1
370	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IEC 60831-1
371	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IS 13340-1
372	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IS 13340-1
373	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Test of Internal Discharge Device	Cl. No. 11 of IS 13340-1
374	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IEC 60831-1
375	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IEC 60831-1
376	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IEC 60831-1
377	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IEC 60831-1
378	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IEC 60831-1
379	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IS 13340-1
380	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IS 13340-1
381	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IS 13340-1
382	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IS 13340-1
383	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Thermal Stability Test	Cl. No. 13 of IS 13340-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	20 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
384	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Verification of Marking	Cl. No. 26 of IEC 60831-1
385	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Verification of Marking	Cl. No. 26 of IS 13340-1
386	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Verification of Marking	Cl. No. 27 of IEC 60831-1
387	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Verification of Marking	Cl. No. 27 of IS 13340-1
388	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IEC 60831-1
389	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IEC 60831-1
390	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IEC 60831-1
391	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IS 13340-1
392	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IS 13340-1
393	ELECTRICAL- CAPACITORS	Shunt Power Capacitors of the Self-Healing type for ac systems having a Rated voltage upto and including1000V	Voltage Test Between Terminals and Container	Cl. No. 10 of IS 13340-1
394	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Battery marking	Cl. No.9.2 IEC 62133-1
395	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Battery marking	Cl. No.9.2 of IS 16046 (Part 1)
396	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Case stress at high ambient temperature (batteries)	Cl.No. 7.2.3 of IEC 62133-1
397	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Case stress at high ambient temperature (batteries)	Cl.No. 7.2.3 of IS 16046 (Part 1)
398	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Electrostatic discharge (ESD)	Cl. no 7.8 of IS 16047 (Part 3)
399	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Electrostatic discharge (ESD)	Cl. No.7.8 of IEC 61960-3
400	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Cell designation and marking	Cl.No.5.0 of IS 16048 (Part 1)
401	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Discharge performance at high temperature	Cl.No.9.11 of IS 10893

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	21 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
402	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Cell designation and marking	Cl.No.5.0 of IEC 61951-1
403	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charge (Capacity) retention	Cl. no. 7.4 of IEC 61951-1
404	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charge (capacity) retention	Cl.No. 7.3 of IS 16048 (Part 1)
405	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charge acceptance at +55°C for LT, MT ,or HT cylindrical cells	Cl.No.7.10 of IEC 61951-1
406	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charge acceptance at +55°C for LT, MT ,or HT cylindrical cells	Cl.No.7.9 of IS 16048 (Part 1)
407	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charging procedure for test purposes	Cl. no. 7.2 of IEC 61951-1
408	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Charging procedure for test purposes	Cl.No.7.1 of IS 16048 (Part 1)
409	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Dimensions	Cl.No 6.0 of IEC 61951-1
410	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Dimensions	Cl.No.6.0 of IS 16048 (Part 1)
411	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance at -18°C	Cl.No.7.2.2 of IS 16048 (Part 1)
412	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance at -18°C	Cl.No.7.3.3 of IE 61951-1
413	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance at 20°C	Cl.No.7.2.1 of IS 16048 (Part 1)
414	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance at 20°C	Cl.No.7.3.2 of IEC 61951-1
415	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance for rapid charge cells(R cells)	Cl. No.7.3.4 of IEC 61951-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	22 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
416	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Discharge performance for rapid charge cells(R cells)	Cl. No.7.2.3 of IS 16048 (Part 1)
417	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Endurance Test	Cl.No.7.4 to 7.4.1.3 of IS 16048 (Part 1)
418	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Endurance Tests	Cl.No.7.5 to 7.5.1.5 of IEC 61951-1
419	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Forced discharge test for safety device operation	Cl.No. 7.7 of IS 16048 (Part 1)
420	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Forced discharge test for safety device operation	Cl.No. 7.8 of IEC 61951-1
421	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Internal resistance	Cl. no. 7.12 of IEC 61951-1
422	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Internal resistance	Cl.No.7.10 of IS 16048 (Part 1)
423	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Overcharge for R cylindrical cells	Cl. No.7.7.6 of IEC 61951-1
424	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Overcharge for R cylindrical cells	Cl. No.7.6.4 of IS 16048 (Part 1)
425	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Overcharge for small prismatic cells to JT cylindrical cell	Cl. No.7.7.1 to 7.7.5 of IEC 61951-1
426	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Overcharge for small prismatic, L,M,H,X cylindrical and button cell & LT/LU,MT/MU of HT/HU cylindrical cells	Cl. No.7.6, 7.6.1 & 7.6.2 of IS 16048 (Part 1)
427	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Permanent charge endurance	Cl. No.7.5.2 of IEC 61951-1
428	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Permanent charge endurance	Cl. No.7.4.2 of IS 16048 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	23 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
429	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Storage	Cl.No.7.8 of IEC 61951-1
430	ELECTRICAL- CELLS & BATTERIES	(Ni-CD) (Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells)	Storage	Cl.No.7.8 of IS 16048 (Part 1)
431	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charge acceptance at +55°C for LT, MT ,or HT cylindrical cells	Cl. No.7.11 of IEC 61951-2: 2017
432	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Cell designation and marking	Cl. No.5.0 of IS 16048 (Part 2)
433	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Cell, BATTERY designation and marking	Cl. No.5.0 of IEC 61951-2
434	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charge (capacity) retention	Cl.No.7.4 of IEC 61951-2
435	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charge (capacity) retention	Cl.No.7.4 of IS 16048 (Part 2)
436	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charge acceptance at +55°C for LT, MT ,or HT cylindrical cells	Cl. No.7.11 of IEC 61951-2:
437	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charge acceptance at +55°C for LT, MT ,or HT cylindrical cells	Cl. No.7.11 of IS 16048 (Part 2)
438	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charging procedure for test purposes	Cl.No.7.2 of IS 16048 (Part 2)
439	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Charging procedure for test purposes	Cl.No.7.2 of IEC 61951-2
440	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Dimensions	Cl. No.6.0 of IS 16048 (Part 2)
441	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Dimensions	Cl. No.6.0 of IEC 61951-2:
442	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance at 0°C	Cl.No.7.3.3 of IS 16048 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	24 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
443	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance at 0°C	Cl.No.7.3.3 of IEC 61951-2:
444	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance at 20°C	Cl.No.7.3.2 of IEC 61951-2
445	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance at 20°C	Cl.No.7.3.2 of IS 16048 (Part 2)
446	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance for rapid charge cells(R cells)	Cl.No.7.3.4 of IS 16048 (Part 2)
447	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Discharge performance for rapid charge cells(R cells)	Cl.No.7.3.4 of IEC 61951-2
448	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Endurance cycles test	Cl.No.7.5.1 of IEC 61951-2
449	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Endurance cycles test	Cl.No.7.5.1 to 7.5.1.4.4 of IS 16048 (Part 2)
450	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Internal resistance	Cl.No.7.12 of IS 16048 (Part 2)
451	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Internal resistance	Cl.No.7.13 of IEC 61951-2
452	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Overcharge tests	Cl.No.7.7 of IEC 61951-2
453	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Overcharge Tests	Cl.No.7.7 of IS 16048 (Part 2)
454	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Permanent charge endurance	Cl.No.7.5.2 of IEC 61951-2
455	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Permanent charge endurance	Cl.No.7.5.2 of IS 16048 (Part 2)
456	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Storage	Cl. No.7.10 of IS 16048 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	25 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
457	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Storage	Cl. No.7.10 of IEC 61951-2
458	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Surface temperature limitation device operation (for S cell only)	Cl.No.7.9 of IS 16048 (Part 2)
459	ELECTRICAL- CELLS & BATTERIES	(Ni-MH) Secondary Cells And Batteries Containing Alkaline Or Other Non-Acid Electrolytes-Portable Sealed Rechargeable Single Cells	Surface temperature limitation device operation (for S cell only)	Cl.No.7.9 of IEC 61951-2
460	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Charge acceptance at constant voltage	Cl. No. 7.5 of IS 15767
461	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Charge Retention	Cl. No.7.3 of IS 15767
462	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Charging Procedure for test purposes	Cl. No. 7.1 of IS 15767
463	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Designation and marking	Cl. No.5 of IS 15767
464	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Discharge performance at +5°C	Cl. No.7.2.2 of IS 15767
465	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Discharge performance at -18°C	Cl.No.7.2.3 of IS 15767
466	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Discharge performance at 20°C	Cl. No. 7.2.1 of 15767
467	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Endurance	Cl. No.7.4 of IS 15767
468	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	High rate current test	Cl. No.7.2.4 of IS 15767
469	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Marking	Cl. No.5.3 of IS 15767
470	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Permanent charge endurance	Cl. No. 7.1 of IS 15767
471	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Physical appearances	Cl. No.9 of IS 15767
472	ELECTRICAL- CELLS & BATTERIES	(Nickel Cadmium Prismatic Secondary single Cell with Partial Gas Recombination)	Storage	Cl.No.7.10 of IS 15767
473	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Ampere -hour efficiency	Cl.No.5.8 of TEC /GR/TX/BAT-001/04 JUNE

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	26 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
474	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Cell matching (A) Voltage & Capacity matching (B) Conductance matching	Cl. No.5.11 of TEC /GR/TX/BAT-001/04 JUNE
475	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Charging	Cl. No.5.2 of TEC /GR/TX/BAT-001/04 JUNE
476	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Fire retardant	Cl. No. 7.6.2.4.2 of TEC /GR/TX/BAT-001/04 JUNE
477	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Float Voltage(for battery)	Cl.No.5.3 of TEC /GR/TX/BAT-001/04 JUNE
478	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Loss of capacity during storage	Cl. No.5.7 of TEC /GR/TX/BAT-001/04 JUNE
479	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Service life or ageing test	Cl. No.5.12 of TEC /GR/TX/BAT-001/04 JUNE
480	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Short circuit test	Cl.No.5.10 of TEC /GR/TX/BAT-001/04 JUNE
481	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Test for capacity	Cl.No.5.1 of TEC /GR/TX/BAT-001/04 JUNE
482	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Thermal runway test	Cl.No.6.8 of TEC /GR/TX/BAT-001/04 JUNE
483	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Transient response	Cl No..5.6 of TEC /GR/TX/BAT-001/04 JUNE
484	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Voltage during discharge	Cl.No.5.8 of TEC /GR/TX/BAT-001/04 JUNE
485	ELECTRICAL- CELLS & BATTERIES	For valve regulated lead acid batteries	Watt- hour efficiency	Cl. No..5.9 of TEC /GR/TX/BAT-001/04 JUNE
486	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Capacity(5h rate) Test	Cl.No.9.3.4 of IS 14257
487	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Charge acceptance Test	Cl no. 9.3.8 of IS 14257
488	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Charge Retention Test	CL.no. 9.3.10 of IS 14257
489	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Cold cranking performance test (CCA)	Cl. No.9.3.6 of 14257
490	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Dimensions mass and layout	Cl. no. 6 of IS 14257
491	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Electrolyte retention	Cl. no. 9.3.14 of IS 14257

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	27 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
492	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	High rate discharge test	Cl. no. 9.3.5 IS 14257
493	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Light load endurance endurance (LLE Test)	Cl. no. 9.3.11 of IS 14257
494	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Overcharge endurance	Cl. No.9.3.13 of IS 14257
495	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Reserve capacity Test	Cl.No. 9.3.7 of IS 14257
496	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Test for dry charged battery	Cl.No.9.3.18 of IS 14257
497	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Vibration Resistance Test	Cl. no. 9.3.15 of IS 14257
498	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance	Water Consumption Test	Cl no. 9.3.9 of IS 14257
499	ELECTRICAL- CELLS & BATTERIES	Lead Acid Storage Batteries For Motor Vehicles With Light Weight And High Cranking Performance-	Marking	Cl. no 8 of IS 14257
500	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vechicles	Capacity Test	Cl. No.9.7 of IS 7372
501	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vechicles	High rate discharge at Normal Temperature	Cl. No.9.9 of IS 7372
502	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vechicles	Marking	Cl.No. 8.0 & 9.5 of IS 7372
503	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vechicles	Vibration Test	Cl. No.9.8 of IS 7372
504	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Dimensions & Layout	Cl.No.9.4 of IS 7372
505	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	High charge discharge capacity (Dry charged battery)	Cl. No.9.17 of IS 7372
506	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	High rate discharge at Low Temperature	Cl. No.9.10 of IS 7372
507	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	High rate discharge at Normal temperature for Batteries for heavy duty application	Cl. No. 9.11 of IS 7372
508	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Life test	Cl. No.9.14 of IS 7372
509	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Resistance to overcharge test	Cl. No.9.13 of IS 7372

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	28 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
510	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Retention of Charge Test	Cl.No.9.12 of IS 7372
511	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Storage (For dry charge batteries)	Cl. No.9.16 of IS 7372
512	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Storage Batteries For Motor Vehicles	Storage test	Cl. No. 9.15 of IS 7372
513	ELECTRICAL- CELLS & BATTERIES	Lead-acid storage batteries for motor vehicles with light weight and High cranking performance	Life cycle test	Cl.No.9.3.12 of IS 14257
514	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Capacity test	Cl. No.5.2 of IS 5154 (Part 1)
515	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Charge retention test	Cl. No. 5.3 of IS 5154(Part 1)
516	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Cyclic endurance Test	Cl.No.5.5 of IS 5154(Part 1)
517	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	External dimension	Cl. No.3.2 of IS 5154(Part 2)
518	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	High-rate discharge performance	Cl. No.5.4 of IS 5154(Part 1)
519	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Verification of Form of Marking	Cl. No.4.2 of IS 5154(Part 2)
520	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Verification of general provision for marking of cell polarity	Cl. No.4.1 of IS 5154(Part 2)
521	ELECTRICAL- CELLS & BATTERIES	Lead-Acid Traction Batteries	Verification of Symbols used for marking and their dimensions & Basic dimensions of traction battery terminals	Cl. No.4.3 & 5.0 of IS 5154(Part 2)
522	ELECTRICAL- CELLS & BATTERIES	Photovoltaic (PV) Module Safety Qualification	Materials	Cl. No.5.5, 5.5.1 of IEC 61730-1
523	ELECTRICAL- CELLS & BATTERIES	Photovoltaic (PV) Module Safety Qualification	Materials	Cl. No.5.5, 5.5.1 of IS/IEC 61730-1
524	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Manual of instructions	Cl. No. 7.0 of IS 10893
525	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Dimension and weight	Cl.No.9.3 of IS 10893
526	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Discharge performance at low temperature	Cl.No.9.10 of IS 10893
527	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Life Cycle Test	Cl.No.9.12 of IS 10893

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	29 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
528	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Marking and packing	Cl. No.6.0 of IS 10893
529	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Material and Construction	Cl. No.4.0 of IS 10893
530	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Overcharge test	Cl.No. 9.8 of IS 10893
531	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Retention of charge	Cl. No.9.9 of IS 10893
532	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Storage test	Cl. No.9.13 of IS 10893
533	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Test for capacity	Cl.No.9.7 of IS 10893
534	ELECTRICAL- CELLS & BATTERIES	sealed nickel cadmium button type rechargeable single cell	Test for Polarity and short circuit	Cl.No.9.5 of IS 10893
535	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Caution for ingestion of small cells and batteries	Cl. No.9.3 of IS 16046 (Part 1)
536	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Battery safety components	Cl. no. 5.8 of IEC 62133-2
537	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Battery safety components	Cl. no. 5.8 of IS 16046 (Part 2)
538	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Packaging and transport	Cl.No.10.0 of IEC 62133-2
539	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Packaging and transport	Cl.No.10.0 of IS 16046 (Part 2)
540	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Quality Plan	Cl. no. 5.7 of IS 16046 (Part 2)
541	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Type test and sample sizes	Cl. no. 6.0 of IS 16046 (Part 2)
542	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Type tests and sample sizes	Cl. no. 6.0 of IEC 62133-2
543	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Assembly of cell into batteries	Cl. no. 5.6 of IS 16046 (Part 2)
544	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Assembly of cells into batteries	Cl. no. 5.6 of IEC 62133-2
545	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Battery marking	Cl. No.9.2 of IEC 62133-2
546	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Battery marking	Cl. No.9.2 of IS 16046(Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	30 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
547	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Case stress at high ambient temperature (battery)	Cl.No. 7.2.2 of IEC 62133-2
548	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Case stress at high ambient temperature (battery)	Cl.No. 7.2.2 of IS 16046(Part 2)
549	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Caution for ingestion of small cells and batteries	Cl.No. 9.3 of IEC 62133-2
550	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Caution for ingestion of small cells and batteries	Cl.No. 9.3 of IS 16046(Part 2)
551	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Cell marking	Cl. No.9.1 of IEC 62133-2
552	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Cell marking	Cl. No.9.1 of IS 16046(Part 2)
553	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Charging procedure for test purpose Second procedure	Cl. No.7.1 , Cl. 7.1.2 of IS 16046 (Part 2)
554	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Charging procedure for test purpose First procedure	Cl. No. 7.1, 7.1.1 of IEC 62133-2
555	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Charging procedure for test purpose Second procedure	Cl. No.7.1 , Cl. 7.1.2 of IEC 62133-2
556	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Continuous charging at constant voltage (cells)	Cl.No. 7.2.1 of IEC 62133-2
557	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Continuous charging at constant voltage (cells)	Cl.No. 7.2.1 of IS 16046(Part 2)
558	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Crush (cells)	Cl.No. 7.3.5 of IS 16046(Part 2)
559	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Crush (cells)	Cl.No. 7.3.5 of IEC 62133-2
560	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	External short-circuit (battery)	Cl.No. 7.3.2 of IS 16046(Part 2)
561	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	External short-circuit (battery)	Cl.No. 7.3.2 of IS 16046(Part 2)
562	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	External short-circuit (cell)	Cl.No. 7.3.1 of IS 16046(Part 2)
563	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	External short-circuit (cell)	Cl.No. 7.3.1 of IEC 62133-2
564	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Forced discharge (Lithium system)	Cl. No.7.3.7 of IEC 62133-2
565	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Forced discharge (Lithium system)	Cl. No.7.3.7 of IEC 62133-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 31 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
566	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Forced discharge (Lithium system)	Cl. No.7.3.7 of IS 16046(Part 2)
567	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Free fall	Cl. No. 7.3.3 of IEC 62133-2
568	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Free fall	Cl. No. 7.3.3 of IS 16046(Part 2)
569	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	General safety consideration	Cl. 5.0 of IEC 62133-2
570	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	General safety consideration	Cl. No. 5.0 of IS 16046 (Part 2)
571	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Information for safety & general	Cl. No.8.0 , 8.1 of IS 16046(Part 2)
572	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Information for safety & general	Cl. No.8.0 , 8.1 of IEC 62133-2
573	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Insulation and wiring	Cl. no. 5.2 of IEC 62133-2
574	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Insulation and wiring	Cl. no. 5.2 of IS 16046 (Part 2)
575	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Marking	Cl. No.9.0 of IEC 62133-2
576	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Marking	Cl. No.9.0 of IS 16046(Part 2)
577	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Measurement of the internal AC resistance for coin cells	Annex D of IEC 62133-2
578	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Measurement of the internal AC resistance for coin cells	Annex D of IS 16046(Part 2
579	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Mechanical tests (batteries) Vibration	Cl. No. 7.3.8 , Cl. 7.3.8.1 of IS 16046(Part 2
580	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Mechanical tests (batteries) Mechanical shock	Cl. 7.3.8 , Cl. 7.3.8.2 of IS 16046(Part 2)
581	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Mechanical tests (batteries) Vibration	Cl. No. 7.3.8 , Cl. 7.3.8.1 of IEC 62133-2
582	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Other information	Cl. No. 9.4 of IEC 62133-2
583	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Other information	Cl.No. 9.4 of IS 16046 (Part 2)
584	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Over-charging of battery	Cl. No.7.3.6 of IEC 62133-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	32 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
585	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Over-charging of battery	Cl. No.7.3.6 of IS 16046(Part 2)
586	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Quality plan	Cl. no. 5.7 of IEC 62133-2
587	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Temperature, Voltage and current management	Cl. no. 5.4 of IEC 62133-2
588	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Temperature, voltage and current management	Cl. no. 5.4 of IS 16046(Part 2)
589	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Terminal contacts	Cl. no. 5.5 of IEC 62133-2
590	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Terminal contacts	Cl. no. 5.5 of IS 16046 (Part 2)
591	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Thermal abuse (cells)	Cl. No. 7.3.4 of IEC 62133-2
592	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Thermal abuse (cells)	Cl. No. 7.3.4 of IS 16046(Part 2)
593	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Venting	Cl. no. 5.3 of IEC 62133-2
594	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Venting	Cl. no. 5.3 of IS 16046 (Part 2)
595	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Verification of Small Cell and Battery Safety Information	Cl. No. 8.2 of IEC 62133-2
596	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Lithium systems)	Verification of Small Cell and Battery Safety Information	Cl. No. 8.2 of IS 16046(Part 2)
597	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Other information	Cl.No. 9.4 of IS 16046 (Part 1)
598	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Packaging	Cl. No.10 of IEC 62133-1
599	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Packaging	Cl. No.10 of IS 16046 (Part 1)
600	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Quality Plan	Cl. no. 5.7 of IEC 62133-1
601	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Quality plan	Cl. no. 5.7 of IS 16046 (Part 1)
602	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Assembly of cells into batteries	Cl. no. 5.6 of IEC 62133-1
603	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Assembly of cells into batteries	Cl. no. 5.6 of IS 16046 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	33 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
604	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Charging procedure for test purpose	Cl.No. 7.1 of IS 16046 (Part 1)
605	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Charging procedure for test purpose First procedure	Cl. No. 7.1, 7.1.1 of IS 16046(Part 2)
606	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Continuous low rate charging (cells)	Cl. No. 7.2.1 of IS 16046 (Part 1)
607	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Caution for ingestion of small cells and batteries	Cl. No.9.3 of IEC 62133-1
608	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Cell marking	Cl. No. 9.1 of IEC 62133-1
609	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Cell marking	Cl. No. 9.1 of IS 16046 (Part 1)
610	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Charging procedure for test purpose	Cl.No. 7.1 of IEC 62133-1
611	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Charging procedure for test purpose	Cl.No. 7.1 of IEC 62133-1
612	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Continuous low rate charging (cells)	Cl. No. 7.2.1 of IEC 62133-1
613	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Continuous low rate charging (cells)	Cl. No. 7.2.1 of IS 16046(Part 1)
614	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Crushing of cells	Cl.No. 7.3.6 of IEC 62133-1
615	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Crushing of cells	Cl.No. 7.3.6 of IS 16046 (Part 1)
616	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	External short circuit	Cl.No. 7.3.2 of IEC 62133-1
617	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	External short circuit	Cl.No. 7.3.2 of IS 16046 (Part 1)
618	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Forced discharge (cells)	Cl.No. 7.3.9 of IEC 62133-1
619	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Forced discharge (cells)	Cl.No. 7.3.9 of IS 16046 (Part 1)
620	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Free fall	Cl.No. 7.3.3 of IEC 62133-1
621	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Free fall	Cl.No. 7.3.3 of IS 16046 (Part 1)
622	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	General safety consideration	Cl. 5.0 of IS 16046 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	34 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
623	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	General safety consideration	Cl. no.5.0 of IEC 62133-1
624	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Incorrect installation (cells)	Cl. No. 7.3.1 of IS 16046 (Part 1)
625	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Incorrect installation (cells)	Cl. No. 7.3.1 of IEC 62133-1
626	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Information for safety & general	Cl. No. 8.0 , 8.1 of IEC 62133-1
627	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Information for safety & general	Cl. No. 8.0 , 8.1 of IS 16046 (Part 1)
628	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Insulation and wiring	Cl.No. 5.2 of IEC 62133-1
629	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Insulation and wiring	Cl.No. 5.2 of IS 16046 (Part 1)
630	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Low Pressure (cells)	Cl. No. 7.3.7 of IEC 62133-1
631	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Low Pressure (cells)	Cl. No. 7.3.7 of IS 16046 (Part 1)
632	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Marking	Cl.No. 9.0 of IS 16046 (Part 1)
633	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Marking	Cl.No. 9.0 of IEC 62133-1
634	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Mechanical Shock (Crash hazard)	Cl.No. 7.3.4 of IS 16046 (Part 1)
635	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Mechanical Shock (Crash hazard)	Cl.No. 7.3.4 of IEC 62133-1
636	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Other information	Cl.No. 9.4 of IEC 62133-1
637	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Overcharge	Cl.No.7.3.8 of IEC 62133-1
638	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Overcharge	Cl.No.7.3.8 of IS 16046 (Part 1)
639	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Parameter measurement tolerances	Cl. no. 4.0 of IEC 62133-1
640	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Parameter measurement tolerances	Cl.No. 4.0 of IS 16046 (Part 1)
641	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Temperature cycling	Cl.No. 7.2.4 of IEC 62133-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 35 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
642	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Temperature cycling	Cl.No. 7.2.4 of IS 16046 (Part 1)
643	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Temperature, voltage and current management	cl. no. 5.4 of IEC 62133-1
644	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Temperature, voltage and current management	Cl. No.5.4 of IS 16046 (Part1)
645	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Terminal contacts	Cl. no. 5.5 of IEC 62133-1
646	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Terminal contacts	Cl. no. 5.5 of IS 16046 (Part 1)
647	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Thermal abuse (cells)	Cl. No. 7.3.5 of IS 16046 (Part 1)
648	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Thermal abuse (cells)	Cl. No. 7.3.5 of IEC 62133-1
649	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Venting	Cl. no. 5.3 of IEC 62133-1
650	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Venting	Cl. no. 5.3 of IS 16046(Part 1)
651	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Verification of Small Cell and Battery Safety Information	Cl.No. 8.2 of IEC 62133-1
652	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Verification of Small Cell and Battery Safety Information	Cl.No. 8.2 of IS 16046 (Part 1)
653	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Vibration	Cl.No. 7.2.2 of IEC 62133-1
654	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes (Nickel systems)	Vibration	Cl.No. 7.2.2 of IS 16046 (Part 1)
655	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications (Lithium systems) Secondary cells and batteries containing alkaline or other non-acid electrolytes safety requirements for portable sealed secondary cells, and for batteries made from Secondary cells and batteries containing alkaline or other non-acid electrolytes safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications (Lithium systems), for use in portable applications (Lithium systems)	Mechanical tests (batteries) Mechanical shock	Cl. 7.3.8 , Cl. 7.3.8.2 of IEC 62133-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	36 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
656	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Marking	Cl.No. 5.2 of IS 16047 (Part 3)
657	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Battery internal resistance & Measurement of the internal AC resistance	Cl. No. 7.7 , Cl.7.7.2 of IEC 61960-3
658	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Battery internal resistance & Measurement of the internal AC resistance	Cl. No. 7.7 , Cl.7.7.2 of IS 16047 (Part 3
659	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Battery internal resistance & Measurement of the internal DC resistance	Cl. No. 7.7 , Cl.7.7.3 of IEC 61960-3
660	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Battery internal resistance & Measurement of the internal DC resistance	Cl. No. 7.7 , Cl.7.7.3 of IS 16047 (Part 3)
661	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charge (capacity) retention and recovery	Cl. No.7.4 of IEC 61960-3
662	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charge (capacity) retention and recovery	Cl. No.7.4 of IS 16047 (Part 3)
663	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charge capacity recovery after long term storage	Cl.No.7.5 of IS 16047 (Part 3)
664	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charge capacity recovery after long term storage	Cl.No.7.5 of IEC 61960-3
665	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charging procedure for test purposes	Cl.No.7.2 of IS 16047 (Part 3)
666	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Charging procedure for test purposes	Cl.No.7.2 of IEC 61960-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	37 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
667	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Discharge performance & Discharge Performance at 20°C (rated capacity)	Cl.No.7.3 ,7.3.1 of IS 16047 (Part 3)
668	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Discharge performance & Discharge Performance at 20°C (rated capacity)	Cl.No.7.3 ,7.3.1 of IEC 61960-3
669	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Discharge Performance at -20°C	Cl.No.7.3.2 of IS 16047 (Part 3)
670	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Discharge Performance at -20°C	Cl. no. 7.3.2 of IEC 61960-3
671	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles & general	Cl. No.7.6,7.6.1 of IEC 61960-3
672	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles & general	Cl. No.7.6,7.6.1 of IS 16047 (Part 3)
673	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles at rate of 0.2It A	Cl. No.7.6.2 of IEC 61960-3
674	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles at rate of 0.2It A	Cl. No.7.6.2 of IS 16047 (Part 3)
675	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles at rate of 0.5It A (Accelerated test procedure)	Cl. No.7.6.3 of IEC 61960-3
676	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Endurance in Cycles at rate of 0.5It A (Accelerated test procedure)	Cl. No.7.6.3 of IS 16047 (Part 3)
677	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	High rate discharge Performance at 20°C	Cl.No.7.3.3 of IEC 61960-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	38 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
678	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	High rate discharge Performance at 20°C	Cl.No.7.3.3 of IS 16047 (Part 3)
679	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries containing alkaline or other non-acid electrolytes secondary lithium cells and batteries for portable applications (Prismatic and cylindrical cell, and batteries made from them)	Marking	Cl.No. 5.2 of IEC 61960-3
680	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Capacity test	Cl. no. 8.1 of IEC 61427-1
681	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Charge Retention test	Cl.No. 8.3 of IEC 61427-1
682	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Conditions of use	Cl. No. 4.0 of IEC 61427-1
683	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Cycle endurance in Photovoltaic Application (Extreme Condition)	Cl.No. 8.4 of IEC 61427-1
684	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Generic cycling endurance test	Cl. No. 8.2 of IEC 61427-1
685	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Marking	Cl. No. 5.4 of IEC 61427-1
686	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries for renewable energy storage	Water consumption of flooded battery types and cells with partial gas recombination	Cl. no. 8.4.5 & 8.4.6 of IEC 61427-1
687	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Capacity Test	Cl. no. 8.1 of IS 16270
688	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Charge Retention test	Cl.No. 8.3 of IS16270
689	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Conditions of use	Cl. No. 4.0 of IS 16270
690	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Cycle endurance in Photovoltaic Application (Extreme Condition)	Cl.No. 8.4 of IS16270
691	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Endurance Test	Cl. No. 8.2 of IS16270
692	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Marking	Cl. No. 5.4 of IS 16270
693	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Non-Spillability//Semi Non Spillability /Splash Proof test	Cl.No. 8.7 of IS16270

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	39 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
694	ELECTRICAL- CELLS & BATTERIES	Secondary Cells and Batteries For Solar Photovoltaic Application	Water consumption of flooded battery types and cells with partial gas recombination	Cl. No. 8.4.5 , 8.4.6 of IS16270
695	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Materials	Cl.No. 5.0 of IS1651
696	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Ampere-Hour and Watt-Hour efficiency Tests	Cl. No.12.9 of IS 1651
697	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Capacities and Dimensions	Cl. No. 7.0, 12.4 of IS1651
698	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Construction Requirement	Cl. No. 6.0, 12.2 of IS1651
699	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Endurance test	Cl. No.12.8 of IS 1651
700	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Loss of capacity on storage	Cl. No.12.7 of IS1651
701	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Manual Instruction	Cl. No.9 of IS 1651
702	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Short circuit current and Internal resistance Test	Cl. No.12.13 of IS1651
703	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Test for capacity	Cl. No. 12.5 of IS1651
704	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Test of capacity at alternative rates of discharges	Cl. No.12.6 of IS1651
705	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Test of Suitability of Floating Battery operation	Cl.No. 12.12 of IS1651
706	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Verification of Marking	Cl. No. 8.0, 12.3 of IS1651
707	ELECTRICAL- CELLS & BATTERIES	Stationary cells and batteries lead-acid type (with tubular positive plates)	Water Loss Test	Cl. No. 12.11 of IS1651
708	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Manual Instruction	Cl. No.9.0 of IS 13369
709	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Materials	Cl.No.5.0 of IS 13369
710	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Ampere-hour and Watt-hour efficiency tests	Cl. No.11.8 of IS 13369
711	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Construction requirement	Cl.No.6.0, 11.2 of 13369

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	40 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
712	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Endurance test	Cl.No.11.7 of IS 13369
713	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Test for Capacity	Cl. No.11.5 of IS 13369
714	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Ampere hour efficiency	Cl no. 12.4 of IS 15549
715	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Capacities and dimensions	Cl. No.7.0, 11.4 of IS 13369
716	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Loss of capacity on Storage	Cl.No.11.6 of IS 13369
717	ELECTRICAL- CELLS & BATTERIES	Stationary lead-acid batteries (with tubular positive plates) in Monobloc Container)	Verification of Marking	Cl. No.8.0,11.3 of IS 13369
718	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Capacity test at other discharge rates	Cl.No.12.3 of IS 15549
719	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Endurance Life cycle Test	Cl. No. 12.10 of IS 15549
720	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Flame arrestor	Cl.No.5.0 of IS 15549
721	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Marking on cell	Cl. No. 8.0 of IS 15549
722	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Material & construction	Cl. No. 4.0 of IS 15549
723	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Rating and designation	Cl. No. 7.0 of IS 15549
724	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Test for C1 Capacity	Cl.No.12.2 of IS 15549
725	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Test for C10 Capacity	Cl.No.12.1 of IS 15549
726	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Test for Retention of Charge	Cl. No.12.6 of IS 15549
727	ELECTRICAL- CELLS & BATTERIES	Stationary valve regulated lead acid batteries	Watt Hour Efficiency	Cl. No.12.5 of IS 15549
728	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Ampere -hour efficiency	Cl.No.1.3.8 of TEC /GR/TX/BAT-003/02 MAR
729	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Cell matching (A) Voltage & Capacity matching (B) Conductance matching	Cl. No.1.3.11 of TEC /GR/TX/BAT-003/02 MAR

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	41 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
730	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Charging	Cl. No. 1.3.2 of TEC /GR/TX/BAT-003/02 MAR
731	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Fire retardant	Cl.No.1.4.9 of TEC /GR/TX/BAT-003/02 MAR
732	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Float Voltage(for battery)	Cl.No.1.3.3 of TEC /GR/TX/BAT-003/02 MAR
733	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Loss of capacity during storage	Cl. No.1.3.7 of TEC /GR/TX/BAT-003/02 MAR
734	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Partial test of charge test	Cl. No.1.3.13 of TEC /GR/TX/BAT-003/02 MAR
735	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Service life or ageing test	Cl. No.1.3.12 of TEC /GR/TX/BAT-003/02 MAR
736	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Short circuit test apparatus	Cl. No.1.3.10 of TEC /GR/TX/BAT-003/02 MAR
737	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Test for capacity	Cl. No.1.3.1 of TEC /GR/TX/BAT-003/02 MAR
738	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Thermal runway test	Cl. No.1.4.8 of TEC /GR/TX/BAT-003/02 MAR
739	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Transient response	Cl. No.1.3.6 of TEC /GR/TX/BAT-003/02 MAR
740	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Voltage during discharge	Cl.No.1.3.4 of TEC /GR/TX/BAT-003/02 MAR
741	ELECTRICAL- CELLS & BATTERIES	Tubular valve regulated lead acid (VRLA) batteries based on gel technology	Watt- hour efficiency	Cl. No.1.3.9 of TEC /GR/TX/BAT-003/02 MAR
742	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	A-H & W-H efficiency tests	Cl.No. 10.13 of IS 10918
743	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Ampere hour Capacity	Cl.No. 10.7 of IS 10918
744	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Discharge Performance at low temperature	Cl. No. 10.9 of IS 10918
745	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Insulation Resistance Test	Cl. No. 10.11 of IS 10918
746	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Life Cycle Test	Cl. No. 10.10 of IS 10918
747	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Marking	Cl.No. 10.4 of IS 10918
748	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Marking and packing	Cl.No. 6.0 of IS 10918

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	42 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
749	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Material and Construction	Cl. No.3.0 of IS 10918
750	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Physical examination for battery container, lids terminal, venting device electrolyte and separators	Cl. No.10.2 of IS 10918
751	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Polarity and short circuit Test	Cl. No. 10.5 of IS 10918
752	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Retention of Charge	Cl. No.10.8 of IS 10918
753	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Storage test	Cl. No.10.12 of IS 10918
754	ELECTRICAL- CELLS & BATTERIES	Vented type Nickel Cadmium batteries	Verification of Rating and Dimension measurement of battery	Cl. No.5.0, 10.3 of IS 10918
755	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	ovens Household Microwave Ovens	Stability and Mechanical Hazards	Cl.No.20 of IEC 60335-2-25
756	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	ovens Household Microwave Ovens	Moisture Resistance Test	Cl. No.15 of IEC 60335-2-25
757	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	POWER INPUT AND CURRENT	Cl. No. 10 of 302-2-26
758	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Abnormal Operation	Cl.No.19 of IS 302-2-26
759	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Construction	Cl. No.22 of IS 302-2-26
760	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Creepage distances and Clearances	Cl. No.29 of IS 302-2-26
761	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Electrical insulation and Leakage Current at Operating Temperature	Cl. No. 13 of IS 302-2-26
762	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Internal Wiring	Cl. No. 23 IS 302-2-26
763	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Leakage Current and Electric Strength (After Humidity treatment)	Cl. No.16 of IS 302-2-26
764	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	MARKING AND INSTRUCTIONS	Cl. No. 7 of IS 302-2-26
765	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Mechanical Strength	Cl. No. 21 of IS 302-2-26

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	43 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
766	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Moisture Resistance Test	Cl. No.15 of IS 302-2-26
767	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATED CIRCUITS	Cl. No. 17 of IS 302-2-26
768	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	POWER INPUT AND CURRENT	Cl. No. 10 of IS 302-2-26
769	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Protection Against Electric Shock	Cl. No. 8 of IS 302-2-26
770	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Provision For Earthing	Cl. No. 27 of IS 302-2-26
771	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Resistance to heat, Fire and Tracking	Cl. No. 30 of IS 302-2-26
772	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Resistance to Rusting	Cl. No. 31 of IS 302-2-26
773	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Screws and Connections	Cl. No. 28 of IS 302-2-26
774	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-26
775	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-26
776	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Temperature Rise	Cl. No.11 of IS 302-2-26
777	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Terminal For External Conductor	Cl. No. 26 of IS 302-2-26
778	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Transient Over Voltage test	Cl. No. 14 of IS 302-2-26
779	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Clocks	Verification of Components	Cl. No. 24 of IS 302-2-26
780	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Component Tests Only Visual Test	Cl.No. 7.5.2 of IS 1474-1959 ,RA
781	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Condensation test	Cl.No.7.5.5 of IS 1474-1959 ,RA
782	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Door seal test	Cl.No. 7.5.8 of IS 1474-1959 ,RA
783	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Marking	Cl.No. 9 of IS 1474-1959 ,RA

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 44 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
784	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Pressure Test	Cl. No.7.5.1 of IS 1474-1959 ,RA
785	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Rating tests	Cl.No.7.5.6 of IS 1474-1959 ,RA
786	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Rating tests	Cl.No.7.5.6 of IS 1474-1959 ,RA
787	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Rating tests	Cl.No.7.5.6 of IS 1474-1959 ,RA
788	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Test for adequate rating of compressor motor	Cl.No.7.5.7 of IS 1474-1959 ,RA
789	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Thermal Insulation test	Cl.No.7.5.4 of IS 1474-1959 ,RA
790	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Commercial Refrigerators	Thermostat test	Cl.No.7.6.1 IS 1474-1959 ,RA
791	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Determination of water extracting efficiency	Cl. No.8.4,9.3 of IEC 60456 & Sec. 4.2.4 of BEE Schedule 12
792	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Determination of Washing performance	Cl. No.8.3 ,9.2 of IEC 60456 & Sec. 4.2.1 of BEE Schedule 12
793	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Determination of rinsing efficiency	Cl.No.8.5, 9.4 of IEC 60456 & Sec.4.2.2 of BEE Schedule 12
794	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Determination of water and energy consumption	Cl.No.8.6, 9.5 of of IEC 60456 & Sec. 4.2.3 of BEE Schedule 12
795	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Determination of wear suffered by textile	Cl.No.12 of IS 14155
796	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Clothes Washing Machines for household use	Finish Test	Cl.No.18 of IS 14155
797	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	Finish	Cl. No. 33 of IS 5790
798	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	Operation Under overload conditions	Cl. No.12 of IS 5790
799	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	Heating up time	Cl. No. 101 of IS 5790
800	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	HEATING-UP TIME	Cl. No.102 of IS 5790
801	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	Thermostat setting	Cl. No.104 of IS 5790
802	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Cooking Ovens	UNFORMITY OF TEMPERATURE	Cl. No.103 of IS 5790

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	45 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
803	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food-Mixers (Liquidizers & Grinders	Test for Controls	Cl. No. 36 of IS 4250
804	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food-Mixers (Liquidizers & Grinders)	Finish	Cl. No.33 of IS 4250
805	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food-Mixers (Liquidizers & Grinders)	Operational Tests	Cl. No.34 of IS 4250
806	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food-Mixers (Liquidizers & Grinders)	Strength of Assembly	Cl. No. 37 of IS 4250
807	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Domestic Electric Food-Mixers (Liquidizers & Grinders)	Temperature withstand Test for Bowl	Cl. No. 35 of IS 4250
808	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of initial over swing temperature & heating up excess temperatur	Cl. No.7.2 of IEC 60311
809	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Temperature Distribution	Cl. No. 7.5 of IEC 60311
810	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of thermostatic stability	Cl. No. 13 of IEC 60311
811	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Finish	Cl. No.17 of IS 366
812	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of temperature drop under load	Cl. No. 105 of IS 6290
813	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of cyclic fluctuation of temperature	Cl. No. 14 of IS 366
814	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of cyclic fluctuation of temperature	Cl. No. 7.6 of IEC 60311
815	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of cyclic fluctuation of temperature of the hottest point	Cl. No. 104 of IS 6290
816	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Heating Up Time	Cl. No. 10 of IS 366
817	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Heating Up Time	Cl. No. 7.1 of IEC 60311
818	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of heating up time under steaming operation	Cl. No.106 of IS 6290
819	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of initial over swing temperature & heating up excess temperature	Cl. No. 103 of IS 6290

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	46 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
820	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of initial over swing temperature & heating up excess temperature	Cl. No.13 of IS 366
821	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Sole Plate Temperature	Cl. No. 7.3 of IEC 60311
822	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Sole Plate Temperature	Cl. No.101 of IS 6290
823	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Sole Plate Temperature	Cl. No.11 of IS 366
824	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Steaming Time and Steaming Rate	Cl. No. 107 of IS 6290
825	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Temperature Distribution	Cl. No. 12 of IS 366
826	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of Temperature Distribution	Cl. No.102 of IS 6290
827	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Measurement of thermostatic stability	Cl. No.16 of IS 366
828	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric & Steam Iron	Resistance to Rusting	Cl. No. 17.3 of IS 366
829	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Endurance	Cl. No. 23 of IS 14144
830	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Finish	Cl. No. 24 of IS 14144
831	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Length of flexible cord	Cl. No.15 of IS 14144
832	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Marking	Cl. No. 8 of IS 14144
833	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Mass	Cl. No.14 of IS 14144
834	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Measurement with max. quantity of ground coffee	Cl. No. 21 of IS 14144
835	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	OVERALL DIMENSIONS	Cl. No. 13 of IS 14144
836	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Quantity of coffee produced with max. quantity of cold water	Cl. No.16 of IS 14144
837	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	QUANTITY OF COFFEE PRODUCED WITH MINIMUM QUANTITY OF COLD WATER	Cl. No. 17 of IS 14144

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 47 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
838	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Temperature of coffee	Cl. No. 20 of IS 14144
839	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Temperature of the supporting surface	Cl. No. 22 of IS 14144
840	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Thermal cut-out and thermal shock	Cl. No. 26 of IS 14144
841	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Thermal efficiency	Cl. No. 25 of IS 14144
842	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	Time to prepare max. quantity of coffee	Cl. No.18 of IS 14144
843	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Coffee Makers	TIME TO PREPARE MINIMUM QUANTITY OF COFFEE	Cl. No. 19 of IS 14144
844	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heater	ENDURANCE	Cl. No.18 of IS 368
845	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Immersion Water Heater	OPERATION UNDER OVERLOAD CONDITIONS OF APPLIANCES WITH HEATING ELEMENTS	Cl. No.12 of IS 368
846	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Endurance	Cl.No.12 of IS 8978
847	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Finish	Cl.No.10 of IS 8978
848	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous Water Heater	Operation of Flow Switch	Cl. No.11 of IS 8978
849	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Endurance test	Cl. No.10 of IS 2994
850	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Finish	Cl. No. 11 of IS 2994
851	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Marking	Cl.No. 8 of IS 2994
852	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Stoves	Thermal Efficiency	Cl. No.12 of IS 2994
853	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Functional Provisions	Cl. No. 24 of IS 1287
854	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Browning control setting	Cl. No. 21 of IS 1287
855	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Endurance	Cl. No. 22 of IS 1287

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 48 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
856	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Evenness of browning	Cl. No. 20 of IS 1287
857	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Finish	Cl. No. 23 of IS 1287
858	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Force necessary to operate bread carriage	Cl. No.15 of IS 1287
859	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Length of flexible cord	Cl. No. 12 of IS 1287
860	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Marking	Cl. No. 8 of IS 1287
861	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	MASS OF THE APPLIANCE	Cl. No. 13 of IS 1287
862	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Number & dimensions of toasting chambers, toasting surfaces and heating elements	Cl. No.14 of IS 1287
863	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Overall dimensions	Cl. No. 11 of IS 1287
864	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Toaster	Toasting time	Cl. No. 19 of IS 1287
865	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Marking and instructions	Cl. No.7 of IEC IEC 62115
866	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Clearances and creepage distances	Cl. No. 17 of IEC 62115
867	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Clearances and creepage distances	Cl. No.18 of IS 15644
868	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Construction	Cl.No.13 of IEC 62115
869	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Construction	Cl.No.14 of IS 15644
870	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Electric strength at operating temperature	Cl. No.10 of IS 15644
871	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Electric strength at operating temperature	Cl.No.10 of IEC 62115
872	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Electric strength at room temperature	Cl. No.12 of IS 15644
873	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	Cl.No.11 of IEC 62115

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	49 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
874	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric toys	Heating and abnormal operation	Cl.No.9 of IS 15644
875	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Components and subassemblies	Cl. No.14 of IEC 61010-1
876	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Equipment temperature limits and resistance to heat	Cl. No.10 of IEC 61010-1
877	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Hazards resulting from application	Cl.No.16 of IEC 61010-1
878	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Marking and documentation	Cl.No.5 of IEC 61010-1
879	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Protection against electric shock	Cl. No.6 of IEC 61010-1
880	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Protection against mechanical hazards	Cl. No.7 of IEC 61010-1
881	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Protection against the spread of fire	Cl.No. 9 of IEC 61010-1
882	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical equipment for measurement, control, and laboratory use	Resistance to mechanical stresses	Cl.No. 8 of IEC 61010-1
883	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Operator interface and machine mounted control device	Cl.No.10 of IEC 60204-1
884	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Equi-potential Bonding	Cl.No.8 of IEC 60204-1
885	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Marking, warning signs and reference designations	Cl.No.16 of IEC 60204-1
886	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Protection against electric shock	Cl.No. 6 of IEC 60204-1
887	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Protection of equipment	Cl.No.7 of IEC 60204-1
888	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Equipment of Machines	Socket - Outlets and lightening	Cl.No.15 of IEC 60204-1
889	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Conductor and cables (Dimensional Measurement)	Cl. No.12 of IEC 60204-1
890	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Control circuits and control functions	Cl.No 9 of IEC 60204-1
891	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Incoming supply conductor terminations and devices for disconnecting and switching off	Cl.No. 5 of IEC 60204-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	50 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
892	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Control Gear	Cl. No.11 of IEC 60204-1
893	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Electric motor and associate equipment	Cl.No. 14 of IEC 60204-1
894	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electricals Equipment of Machines	Wiring practices	Cl.No.13 of IEC 60204-1
895	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Heating and abnormal operation	Cl.No.9 of IEC 62115
896	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Marking and instructions	Cl. No. 7 of IS 15644
897	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Mechanical strength	Cl.No.12 of IEC 62115
898	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Mechanical strength	Cl.No.13 of IS 15644
899	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Moisture resistance	Cl.No.11 of IS 15644
900	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Power input	Cl.No.8 of IS 15644
901	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Power input	Cl.No.8 of IEC 62115
902	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Protection of cords and wires	Cl.No.14 of IEC 62115
903	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Protection of cords and wires	Cl.No.15 of IS 15644
904	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Resistance to heat and Fire	Cl.19 of IS 15644
905	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Screws and connection	Cl.No.16 of IEC 62115
906	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Elelectric Toys	Screws and connection	Cl.No.17 of IS 15644
907	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Flexible Electrical Heating Pad	Surface Temperature	Cl. No.12.9 of IS 5161
908	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Flexible Electrical Heating Pad	Usage Simulation (Impact Test)	Cl. No. 12.10 of IS 5161
909	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	1) Individual Strength-Pressure Test, 2) Type-Approved Strength-Pressure Test, 3) Fatigue Test, 4) Pressure Test	Cl.No.5.4.2,Cl.No.5.4.3,Cl.No.5.4.4,Cl.No.11.7 of IS 7872

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	51 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
910	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Door Seal Test	Cl.No.4.5,Cl.No.11.4 of IS 7872
911	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Energy Consumption Test	Cl.No.11.2 of IS 7872
912	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	External Doors	Cl.No.4.8.1 of IS 7872
913	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Finish (Salt mist Test)	Cl.No.4.3 of IS 7872
914	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Leakage current	Cl.No.4.1.1(i)) of BEE SCHEDULE – 25
915	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Marking and Instruction	Cl.No.13 of IS 7872
916	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Measurement of Freezer Storage Capacity	Cl.No.8 of IS 7872
917	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	No Load Pull Down Test	Cl.No.11.1 of IS 7872
918	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Sound Pressure Level	Cl.No.7 of IS 7872
919	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Temperature Rise Test	Cl.No.11.3 of IS 7872
920	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Thermal Insulation Test (External Condensation Test)	Cl.No.11.6 of IS 7872
921	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Thermal Insulation Test (External Condensation Test)	Cl.No.4.7,Cl.No.11.5 of IS 7872
922	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Creepage distance	Cl.No.4.1.1(ii) of BEE SCHEDULE – 25
923	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Earthing connection	Cl.No.4.1.1(iii)) of BEE SCHEDULE – 25

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	52 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
924	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Energy Consumption Test	Cl.No.4.1.2(ii) of BEE SCHEDULE – 25
925	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	High voltage Test	Cl.No.4.1.1(iv) of BEE SCHEDULE – 25
926	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Marking and instruction	Cl.No.13 of IS 7872
927	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Measurement of Freezer Storage Capacity	Cl.No.4.1.2(ii) of BEE SCHEDULE – 25
928	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	No Load Pull Down Test	Cl.No.4.1.2(i) of BEE SCHEDULE – 25
929	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Protection against electric shock	Cl.No.4.1.1(v) of BEE SCHEDULE – 25
930	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Freezers/Refrigerator-Freezer/ Vaccine Freezers - Deep Freezers (Hard Top Chest Freezers, Glass Top Chest Freezers (sliding, hinged and curved))	Safety Requirements	Cl. No.6 of IS 7872
931	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Hermetic Compressor	High voltage test	Cl.No.6.1.4 and Cl.6.3 (a) of IS 10617+A1
932	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Hermetic Compressor	Insulation resistance test	Cl.No.6.3(b) of IS 10617
933	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Hermetic Compressor	Leakage current test	Cl.No.6.1.5 and Cl.6.3 (a) of IS 10617+A1
934	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Hermetic Compressor	Marking	Cl.No.11 of IS 10617+A1
935	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Hermetic Compressors	Power Consumption Measurement	Cl. No.6.1.1, Cl. 5.1 of IS 10617+A1
936	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES (Refrigerators, Food-Freezers and Ice-Makers)	Stability And Mechanical Hazards	Cl.no.20 of IEC 60335-2-24
937	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES (Refrigerators, Food-Freezers and Ice-Makers)	Stability and Mechanical Hazards	Cl. No.20 of IS 302-2-24
938	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES (Refrigerators, Food-Freezers and Ice-Makers)	Toxicity and similar hazard	Cl.no.32 of IEC 60335-2-24
939	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: PARTICULAR REQUIREMENTS: Refrigerators, Food-Freezers and Ice-Makers	Supply Connection And External Flexible Cords	Cl. No.25 of IS 302-2-24

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	53 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
940	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Abnormal Operation	Cl.no.19 of IEC 60335-2-24
941	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Abnormal Operation	Cl.no.19 of IEC 60335-2-24
942	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Abnormal Operation	(Cl.19) Except Cl. 19.2 to Cl.19.5 & 19.8 of IS 302-2-24
943	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Clearances, Creepage Distances And Solid Insulation	Cl.no.29 of IEC 60335-2-24
944	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Construction	(Cl.22) Except Cl 22.8 & 22.9, 22.15, 22.26 & 22.29 of IS 302-2-24
945	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Construction	(Cl.22) Except Cl 22.8 & 22.9, 22.15, 22.26 & 22.29 of IS 302-2-24
946	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Construction	Cl.no.22 of IEC 60335-2-24
947	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Heating	(Cl.11) of IS 302-2-24
948	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Heating	(Cl.11) of IS 302-2-24
949	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Heating	Cl.no.11 of IEC 60335-2-24
950	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Internal Wiring	Cl.no.23 of IEC 60335-2-24
951	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Internal Wiring	(Cl.23) of IS 302-2-24
952	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Leakage Current And Electric Strength test (a) Leakage Current (b) High Voltage/Electric Strength c) Insulation Resistance	Cl.No. 13 & 16 of IS 302-2-24
953	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Leakage Current Test and Electric Strength Test at operating Temperature	Cl.no.13 of IEC 60335-2-24
954	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Leakage Current Test and Electric Strength Test	Cl.no.16 of IEC 60335-2-24
955	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Marking & Instructions	Cl. No.7 of IS 302-2-24
956	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Marking And Instructions	Cl.no.7 of IEC 60335-2-24

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	54 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
957	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Mechanical Strength	Cl.no.21 of IEC 60335-2-24
958	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Mechanical Strength	(Cl.21) of IS 302-2-24
959	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Moisture resistance	Cl.no.15 of IEC 60335-2-24
960	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Moisture Resistance Test	(Cl.15) of IS 302-2-24
961	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Operation under overload conditions of appliances with heating element test	(Cl.12) of IS 302-2-24
962	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Operation under overload conditions of appliances with heating element test	Cl. No. 12 of IS 302-2-24
963	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Overload Protection Of Transformers And Associated Circuits	Cl.no.17 of IEC 60335-2-24
964	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Power Input And Current	Cl.no.10 of IEC 60335-2-24
965	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Power Input And Current	Cl. No.10 of IS 302-2-24
966	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Power Input And Current	Cl. No.10 of IS 302-2-24
967	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Power Input And Current	Cl.no.10 of IEC 60335-2-24
968	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Power Input And Current/ Input And Current	Cl. No.10 of IS 302-2-24
969	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Protection Against Access To Live Parts	Cl. No.8 of IS 302-2-24
970	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Protection Against Access To Live Parts	Cl.no.8 of IEC 60335-2-24
971	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Provision For Earthing	Cl. No.27 of IS 302-2-24
972	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Provision For Earthing	Cl. No.27 of IS 302-2-24
973	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Provision For Earthing	Cl.no.27 of IEC 60335-2-24

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	55 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
974	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Radio and television interference suppression/ Transient Over Voltages	Cl. No.14 of IS 302-2-24
975	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Resistance To Heat And Fire	Cl.no.30 of IEC 60335-2-24
976	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Resistance to Rusting	Cl. No.31 of IS 302-2-24
977	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Resistance To Rusting	Cl.no.31 of IEC 60335-2-24
978	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Screws and Connections	Cl. No.28 of IS 302-2-24
979	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Screws And Connections	Cl.no.28 of IEC 60335-2-24
980	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Starting Of Motor Operated Appliances test	Cl. No.9 of IS 302-2-24
981	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Supply Connection And External Flexible Cords	Cl.no.25 of IEC 60335-2-24
982	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Terminal For External Conductor	Cl. No.26 of IS 302-2-24
983	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Terminal For External Conductor	Cl. No.26 of IS 302-2-24
984	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Terminals For External Conductors	Cl.no.26 of IEC 60335-2-24
985	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Transient Over Voltage	Cl.no.14 of IEC 60335-2-24
986	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Verification of Classification	Cl.no.6 of IEC 60335-2-24
987	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Verification of Components	Cl.no.24 of IEC 60335-2-24
988	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSE HOLD AND SIMILAR ELECTRICAL APPLIANCES: Refrigerators, Food-Freezers and Ice-Makers	Verification of Components	(Cl.24) of IS 302-2-24
989	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household and Similar Electrical Appliances	Marking & Instructions test	(Cl.7) of IS 302-2-24
990	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters-Performance requirements	Dimensions and mass of the heater, length of the supply cord	Cl. No.7 of IS 369
991	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters-Performance requirements	Dimensions and mass of the heater, length of the supply cord	Cl. No.7 of IS 369

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	56 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
992	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Effect of radiant heat	Cl. No.15 of IS 369
993	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Frost protection temperature test	Cl. No. 13 of IS 369
994	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Inrush Current	Cl. No. 14 of IS 369
995	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Marking	Cl. No. 17 of IS 369
996	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Measurement of the usable power	Cl. No.16 of IS 369
997	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Set-Back	Cl. No.12 of IS 369
998	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Temperature Rise of surface on which the appliance is placed or supported	Cl. No. 11 of IS 369
999	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Temperature rises of Air-outlet grilles and external surfaces	Cl. No. 8 of IS 369
1000	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	TEMPERATURE RISES OF SURFACES SURROUNDING THE HEATER	Cl. No. 9 of IS 369
1001	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Electric Direct-Acting Room Heaters- Performance requirements	Warming-up time of the heater	Cl. No. 10 of IS 369
1002	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household electrical appliances – Measurement of standby power	Measurements of standby Power	Cl.No.5 of IEC 62301
1003	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Cooking performance	Cl. No. 17 of IS 11676
1004	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Cooking performance	Cl. No.17 of IS 11676
1005	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Defrosting performance	Cl. No. 18 of IS 11676
1006	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Defrosting performance	Cl. No.18 of IS 11676
1007	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Determination of microwave power output	Cl. No. 13 of IS 11676
1008	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Efficiency	Cl. No.14 of IS 11676
1009	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Heating performance	Cl. No.16 of IS 11676

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	57 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1010	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Consumption measurement of low power modes	Cl. No. 15 of IEC 60705
1011	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Cooking performance	Cl. No.12 of IEC 60705
1012	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Cooking performance	Cl. No.12 of IEC 60705
1013	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Defrosting performance	Cl. No.13 of IEC 60705
1014	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Defrosting performance	Cl. No.13 of IEC 60705
1015	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Determination of microwave power output	Cl. No. 8 of IEC 60705
1016	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Efficiency	Cl. No. 9 of IEC 60705
1017	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Energy consumption for the microwave function	Cl. No.14 of IEC 60705
1018	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	EXTERNAL DIMENSIONS	Cl. No.11 of IS 11676
1019	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	FINISH	Cl. No.10 of IS 11676
1020	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Heating performance	Cl. No.11 of IEC 60705
1021	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Input and Current	Cl. No. 10 of IEC 60335-2-25
1022	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Technical test of performance	Cl. No.10 of IEC 60705
1023	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	Uniform Heating	Cl. No.15 of IS 11676
1024	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household microwave oven- methods for measure performance	USABLE CAVITY VOLUME	Cl. No.12 of IS 11676
1025	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Abnormal Operation	Cl. No.19 of IS 302-2-25
1026	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Input and Current	Cl. No.10 of IS 302-2-25
1027	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Abnormal Operation	Cl.No. 19 of IEC 60335-2-25
1028	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Construction	Cl. No. 22 of IS 302-2-25

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	58 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1029	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Construction	Cl.No.22 of IEC 60335-2-25
1030	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Creepage distances and Clearances	Cl.No. 29 of IS 302-2-25
1031	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Creepage distances and Clearances	Cl.No.29 of IEC 60335-2-25
1032	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Endurance Test	Cl.No.18 of IEC 60335-2-25
1033	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Endurance Test	Cl. No.18 of IS 302-2-25
1034	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Heating	Cl.No. 11 of IS 302-2-25
1035	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Heating	Cl.No.11 of IEC 60335-2-25
1036	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Input and Current	Cl. No.10 of IS 302-2-25
1037	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Input and Current	Cl.No.10 of IEC 60335-2-25
1038	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Internal Wiring	Cl. No.23 of IEC 60335-2-25
1039	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Internal Wiring	Cl. No.23 of IS 302-2-25
1040	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-2-25
1041	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Leakage Current And Electric Strength At Operating Temperature	Cl,No.13 of IEC 60335-2-25
1042	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Leakage Current And Electric Strength At Operating Temperature	Cl. No.13 of IS 302-2-25
1043	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Marking	Cl.No. 7 of IS 302-2-25
1044	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Marking	Cl.No.7 of IEC 60335-2-25
1045	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Mechanical Strength	Cl.No. 21 of IEC 60335-2-25
1046	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Mechanical Strength	Cl.No. 21 of IS 302-2-25

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	59 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1047	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Moisture Resistance Test	Cl. No.15 of IS 302-2-25
1048	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Overload Protection	Cl .No.17 of IEC 60335-2-25
1049	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Overload Protection	Cl. No.17 of IS 302-2-25
1050	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Protection Against Electric Shock	Cl.No. 8 of IS 302-2-25
1051	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Protection Against Electric Shock	Cl.No.8 of IEC 60335-2-25
1052	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Provision For Earthing	Cl.No. 27 of IS 302-2-25
1053	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Provision For Earthing	Cl.No. 27 of IEC 60335-2-25
1054	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Radiation Hazards	Cl.32 of IEC 60335-2-25:2020
1055	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Radiation Hazards	Cl.No. 32 of IS 302-2-25:2014
1056	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Resistance to heat, Fire and Tracking	Cl. No.30 of IEC 60335-2-25
1057	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Resistance to heat, Fire and Tracking	Cl. No.30 of IS 302-2-25
1058	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Resistance to Rusting	Cl.No. 31 of IS 302-2-25
1059	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Screws and Connections	Cl. No.28 of IS 302-2-25
1060	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Screws and Connections	Cl. No.28 of IEC 60335-2-25
1061	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Stability and Mechanical Hazards	Cl. No.20 of IS 302-2-25
1062	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Supply Connection And External Flexible Cords	Cl.No. 25 of IS 302-2-25
1063	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Supply Connection And External Flexible Cords	Cl.No.25 of IEC 60335-2-25
1064	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Terminal For External Conductor	Cl.No. 26 of IS 302-2-25
1065	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Terminal For External Conductor	Cl.No.26 of IEC 60335-2-25

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	60 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1066	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Transient Over Voltage test	Cl.No. 14 of IS 302-2-25
1067	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Transient Over Voltage test	Cl.No.14 of IEC 60335-2-25
1068	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Verification of Components	Cl. No. 24 of IS 302-2-25
1069	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Microwave Ovens	Verification of Components	Cl. No.24 of IEC 60335-2-25
1070	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	PULL-DOWN TEST	Cl. No 4.6 & Annex A of IS 17550(Part 2) & Annex B & D of IS 17550(Part 1)
1071	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	PULL-DOWN TEST	Cl. No. 4.6 & Annex H of IS 17550 (Part 2) & Annex B & D of IS 17550(Part 1)
1072	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	STORAGE TEST	Cl.No 4.2 & Cl.No 6 of IS 17550(Part 2) & Annex A,B,C,D of IS 17550(Part 1)
1073	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	STORAGE TEST	Cl.No.4.2 & Cl.No.6 of IS 17550(Part2) & Annex A,B,C,D of IS 17550(Part 1)
1074	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	TEMPERATURE RISE TEST	Cl. No. 4.6(c) & Annex C of IS 17550(Part 2) & Annex A,B,C of IS 17550(part 1)
1075	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	TEMPERATURE RISE TEST	Cl.No. 4.6(c) & Annex C of IS 17550(Part 2) & Annex A, B. C of IS 17550(Part 1)
1076	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 2 Performance Requirements	WATER VAPOUR CONDENSATION TEST	Cl.No.4.6(d) & Annex D of IS 17550(Part 2) & Annex B, D of IS 17550(Part 1) & Table 1 of IS 17550(part 3)
1077	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 3 Energy Consumption and Volume	Determination of energy consumption	Cl. No.6 & Annex A,B,C,D,E,F,G of IS 17550 (Part 3)
1078	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 3 Energy Consumption and Volume	Determination of energy consumption	Cl.6 & Annex A,B,C,D,E,F,G of IS 17550(Part 3)
1079	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 3 Energy Consumption and Volume	Determination of energy consumption	CL.No.6 & Annex A,B,C,D,E,F,G of IS 17550(Part 3)
1080	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 3 Energy Consumption and Volume	Volume determination	Cl.No.4.8 & Annex H of IS 17550(Part 3)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	61 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1081	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	HOUSEHOLD REFRIGERATING APPLIANCES	AUTOMATIC ICE-MAKING CAPACITY TEST	Cl. No.4.5 & Cl.No.9 of IS 17550(Part 2) & Annex B, D of IS 17550(Part 1)
1082	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	Cooling capacity test	Cl. No 4.3 & Cl. No. 7 of IS 17550(Part 2) & Annex B, C,D of IS 17550(Part 1)
1083	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	COOLING CAPACITY TEST	Cl. No.4.3 & Cl. No 7 of IS 17550(Part 2) & Annex B,C,D of IS 17550(Part 1)
1084	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Cooling capacity test	Cl.No.7 of IEC 62552-2+A1
1085	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	DESIGNATION	CL.No. 18 of IS 17550 (Part 1)
1086	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	FREEZING CAPACITY TEST	Cl.No. 4.4 & Cl.No 8 of IS 17550(Part 2) & Annex A,B,D of IS 17550(Part1)
1087	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	Freezing capacity test	Cl.No.4.4 & Cl.No. 8 of IS 17550(Part 2) & Annex A,B,D of IS 17550(Part 1)
1088	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Freezing capacity test	Cl.No.8 of IEC 62552-2+A1
1089	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	ICE-MAKING TEST	Cl.No.14 of IS 17550 (Part 1)
1090	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	INSTRUCTIONS	Cl. No 7 of IS 17550 (Part 1)
1091	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Instructions	Cl. No.7 of IEC 62552-1+A1: 2015
1092	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Marking	Cl. No.5 of IEC 62552-1+A1
1093	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	Marking	Cl.5 of IS 17550(Part 1)
1094	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	Production Routine Test a) Leakage current test b) Earth continuity test c) Electric strength	Cl No. 20.3 of IS 17550 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	62 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1095	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	SAFETY REQUIREMENTS a) Protection against acess to live parts b) Power input and current c) Heating d) Leakage current and electric strength at operating temperature e) Moisture resistance f) Leakage current and electric strength (high voltage after humidity)	Cl. No 16 of IS 17550 (Part 1)
1096	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Specified auxiliaries	Cl. No.4.7 and Annex F of IEC 62552-3+A1
1097	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Specified auxiliaries	Cl. No.4.7 and Annex F of IEC 62552-3+A1
1098	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Specified auxiliaries	Cl. No.4.7 and Annex F of IEC 62552-3+A1
1099	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Specified auxiliaries	Cl. No.4.7 and Annex F of of IEC 62552-3+A1
1100	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances	Specified auxiliaries	Cl.No.4.7 and Annex F of IEC 62552-3+A1
1101	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	TEST FOR ABSENCE OF ODOUR AND TASTE	CL.No. 15 of IS 17550 (Part 1)
1102	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	TESTING THE AIR TIGHTNESS OF DOOR OR LID SEAL(S)	Cl. No. 9 of IS 17550 (Part 1)
1103	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	TESTING THE DURABILITY OF HINGES AND HANDLES OF DOOR(S) AND LID(S)	Cl. No 11 of IS 17550 (Part 1)
1104	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	TESTING THE MECHANICAL STRENGTH OF SHELVES AND SIMILAR COMPONENTS	Cl.No.12 of IS 17550 (Part 1)
1105	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	TESTING THE OPENING FORCE OF DOOR(S) OR LID(S)	Cl.No. 10 of IS 17550 (Part 1)
1106	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	Thermostat function test	Cl.No 8.11 of IS 17550 (Part 1)
1107	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	VERIFICATION OF MATERIAL	Cl. No. 8 of IS 17550 (Part 1)
1108	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	WATER-VAPOUR CONDENSATION TEST	Cl. No.13 of IS 17550(Part 1)
1109	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances	WINE STORAGE APPLIANCES AND COMPARTMENTS; STORAGE TEST	Cl. No.4.6(b) & Annex B of IS 17550(Part 2) & Annex A,B,G of IS 17550(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 63 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1110	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Defrost and recovery energy and temperature change	Cl.No.4.3 and Annex C of IEC 62552-3+A1
1111	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Defrost and recovery energy and temperature change	Cl.No.4.3 and Annex C of IEC 62552-3+A1
1112	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Defrost frequency	Cl.No.4.4 and Annex D of IEC 62552-3+A1
1113	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Defrost frequency	Cl.No.4.4 and Annex D of IEC 62552-3+A1
1114	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Determination of energy consumption	Cl. No.6 of IEC 62552-3+A1
1115	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Load processing efficiency	Cl.No.4.6 and Annex G of IEC 62552-3+A1
1116	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Load processing efficiency	Cl.No.4.6 and Annex G of IEC 62552-3+A1
1117	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Steady state power consumption	Cl.No.4.2 and Annex B of IEC 62552-3+A1
1118	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Steady state power consumption	Cl.No.4.2 and Annex B of IEC 62552-3+A1
1119	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Target temperatures for energy determination	Cl.No.5 of IEC 62552-3+A1:
1120	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	Volume determination	Cl.No.4.8 and Annex H of IEC 62552-3+A1
1121	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	Automatic ice-making capacity tes	Cl.No 9 of IEC 62552-2+A1
1122	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household Refrigerating Appliances — Characteristics and Test Methods Part 3 Energy Consumption and Volume	Determination of energy consumption	Cl.No.6 & Annex A,B,C,D,E,F,G of IS 17550 (Part 3)
1123	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances- Characteristics and test methods - Part 2:Performance requirements	Pull down test	Annex A of IEC 62552-2+A1
1124	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances- Characteristics and test methods - Part 2:Performance requirements	Storage test	Cl.No.6 of IEC 62552-2+A1
1125	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances- Characteristics and test methods - Part 2:Performance requirements	Temperature rise test	Annex C of IEC 62552-2+A1
1126	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances- Characteristics and test methods - Part 2:Performance requirements	Water vapor condensation test	Annex D of IEC 62552-2+A1
1127	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Household refrigerating appliances- Characteristics and test methods - Part 2:Performance requirements	Wine storage appliances and compartments; storage test	Annex B of IEC 62552-2+A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	64 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1128	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Leakage Current And Electric Strength At Operating Temperature	Cl. No. 13 of IS 302-2-59
1129	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Abnormal Operation	Cl. No. 19 of IS 302-2-59
1130	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-59
1131	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Construction	Cl. No. 22 of IS 302-2-59
1132	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Input and Current	Cl. No. 10 of IS 302-2-59
1133	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Input And Current test	Cl. No.10 of IS 302-2-59
1134	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Internal Wiring	Cl. No. 23 of IS 302-2-59
1135	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-2-59
1136	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect Killers	Marking & Instruction Test	Cl. No. 7 of IS 302-2-59
1137	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Mechanical Strength	Cl. No. 21 of IS 302-2-59
1138	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Moisture Resistance	Cl. No.15 of IS 302-2-59
1139	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Operation under overload conditions of appliances with heating element test	Cl. No.12 of IS 302-2-59
1140	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Overload Protection	Cl. No. 17 of IS 302-2-59
1141	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Protection Against Electric Shock test	Cl. No. 8 of IS 302-2-59
1142	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Provision For Earthing	Cl. No.27 of IS 302-2-59
1143	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Radio and television interference suppression\	Cl. No.14 of IS 302-2-59
1144	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Resistance to heat, Fire and Tracking.	Cl. No.30 of IS 302-2-59
1145	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	RESISTANCE TO RUSTING	Cl. No.31 of IS 302-2-59

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	65 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1146	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Screws and Connections	Cl. No. 28 of IS 302-2-59
1147	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-59
1148	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Starting Of Motor Operated Appliances test	Cl. No. 9 of IS 302-2-59
1149	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Supply Connection And External Flexible Cords	Cl. No.25 of IS 302-2-59
1150	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Temperature Rise	Cl. No. 11 of IS 302-2-59
1151	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Terminal For External Conductor	Cl. No. 26 of IS 302-2-59
1152	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Toxicity and similar hazards	Cl. No. 32 of IS 302-2-59
1153	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Insect killers	Verification of Components	Cl. No. 24 of IS 302-2-59
1154	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machine	Finish	Cl. No. 39 of IS 7603
1155	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machine	Operation Under Over load condition	Cl. No. 50 of IS 7603
1156	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machine	Speed Control and Switches	Cl. No. 11.3.5 of IS 7603
1157	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machine	Strength of Assembly	Cl. No.11.3.2 of IS 7603
1158	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Low Speed Food Grinding Machine	Temperature withstand	Cl. No.11.3.4 of IS 7603
1159	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	Endurance	Cl. No.11 of IS 7154
1160	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	Finish	Cl. No.12 of IS 7154
1161	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	MARKING	Cl. No. 8 of IS 7154
1162	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	Performance	Cl. No.10 of IS 7154
1163	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	Verification of Classification	Cl. No. 7 of IS 7154
1164	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mains operated electric hair dryers	Verification of Rating	Cl. No. 6 of IS 7154

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	66 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1165	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Microwave Ovens	Leakage Current And Electric Strength	Cl.No. 16 of IEC 60335-2-25
1166	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral Filled Sheathed Heating Elements	Leakage and Hydrostatic Strength test	Cl. No.102 of IS 4159
1167	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	ovens Household Microwave Ovens	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-25
1168	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	ovens Household Microwave Ovens	Moisture Resistance Test	Cl. No. 15 of IS 302-2-25
1169	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Portable Mains Operated Electric Massager	Operation at Over and Under Voltage	Cl.No.12.3.7 of IS 7137:1973
1170	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Determination of Linear Dimensions ,Volumes & Area	Sec 2.2.2 of BEE Schedule 1 & Cl. No.6 &Cl.no..3.3 of IS 15750+A1+A2
1171	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Energy consumption test	Sec 2.2.1 of BEE Schedule 1 &Cl.No.14 of IS 15750+A1+A2
1172	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	High voltage test	Cl.No.19 of IS 15750+A1+A2
1173	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Ice-Making Test	Cl.no.17 of IS 15750+A1+A2
1174	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Instruction for use and maintenance	Cl.No.26 of IS 15750+A1+A2
1175	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Insulation Resistance Test	Cl. No.20 of IS 15750+A1+A2
1176	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Marking	Cl. No.24 of IS 15750+A1+A2
1177	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Overall space required in used	Cl.No.3.3.4 of IS 15750:2006
1178	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Pull Down Test	Sec 7 of BEE Schedule 1 &Cl.No.16 of IS 15750+A1+A2
1179	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Temperature rise test	Cl. No.15 of IS 15750+A1+A2
1180	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Test for absence of odor and taste	Cl.No.18 of IS 15750+A1+A2
1181	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the air tightness of door or lid seal (s)	Cl.No.8 of IS 15750+A1+A2
1182	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the durability of hinges and handles of door (s) and Lid (S)	Cl. No.10 of IS 15750+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 67 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1183	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the mechanical strength of sleeves and similar components	Cl. No. 11 of IS 15750+A1+A2
1184	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the mechanical strength of sleeves and similar components	Cl.No.11 of IS 15750+A1+A2
1185	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the opening force of door (s) or lid (s)	Cl.No.9 of IS 15750+A1+A2
1186	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Testing the storage temperatures	Cl.No.12 of IS 15750+A1+A2
1187	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators Cooled by Internal Forced Air Circulation	Water vapor condensation test	Cl.No.13 of IS 15750+A1+A2
1188	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Additional Requirements For Eco-Mark	Cl. No.11 of IS 1476 (part1)+A1+A2+A3
1189	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Determination of linier dimensions, Volume and Area	Sec 6.2.3 of BEE Schedule 5 ,Cl.No.8 & Annex A of IS 1476 (part1)+A1+A2+A3
1190	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Door lids and fitting	Cl.No.5.4 of IS 1476 (part1)+A1+A2+A3
1191	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Door seal test	Cl.No.14.1 & 10.1(a) , C.no. 10.2(c)of IS 1476 (part1)+A1+A2+A3
1192	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Doors and fittings test	Cl. No.14.3 & 10.1 (c) of IS 1476 (part1)+A1+A2+A3
1193	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	High voltage test	Cl. No.14.8 & Cl.no.10.1(h) of IS 1476 (part1)+A1+A2+A3
1194	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Ice-making test	Cl. No.14.6 & 9.3,Cl.no.10.1(f) of IS 1476 (part1)+A1+A2+A3
1195	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Ice-making test	Cl.No.14.6 & 9.3,Cl.no. 10.1(f) of IS 1476 (part1)+A1+A2+A3
1196	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Insulation resistance test	Cl.No.15.2 &10.2(b) of IS 1476 (part1)+A1+A2+A3
1197	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Internal frost accumulation and defrost test	Cl. No.10.1(k) of IS 1476 (part1)
1198	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Marking and information	Cl. No.16 of IS 1476 (part1)+A1+A2+A3
1199	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Mechanical strength of shelves and similar components	Cl.No.14.2 & 10.1(b) of IS 1476 (part1)+A1+A2+A3

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 68 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1200	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	No load adjustment tests	Cl.No.14.4 ,10.1(d) & 9.1 of IS 1476 (part1)+A1+A2+A3
1201	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	No-load performance test (Pull Down Test)	Sec 5.1 of BEE Schedule 5 &Cl. No.14.5 ,Cl.no.9.2 ,CL.no.10.1(e) of IS 1476 (part1)+A1+A2+A3
1202	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	No-load performance test (Pull Down Test)	Sec 5.1 of BEE Schedule 5 & Cl. No.14.5 ,Cl.no. 9.2, Cl.no.10.1(e) of IS 1476 (part1)+A1+A2+A3
1203	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Rated energy consumption test	Sec 6.2.1 of BEE Schedule 5 &Cl. No.14.9 ,Cl.no.13 ,Cl.no 12.2 to 12.3 ,C.no. 10.1(j)of IS 1476 (part1)+A1+A2+A3
1204	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Thermal insulation test	Cl. No.14.7 & 10.1(g) of IS 1476 (part1)+A1+A2+A3
1205	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Refrigerators with or Without Low Temperature Compartment	Thermostat test	Cl. No.15.1 & 10.2 (a) of IS 1476 (Part1)+A1+A2+A3
1206	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Single Walled Baking Oven	Endurance	Cl. No. 9.3.5 of IS 8985
1207	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Single Walled Baking Oven	Measurement of Heating up time	Cl. No. 9.3.2 of IS 8985
1208	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Single Walled Baking Oven	Thermostat setting and temperature differential	Cl.No. 9.3.4 of IS 8985
1209	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Single Walled Baking Oven	Uniformity of temperature	Cl. No. 9.3.3 of IS 8985
1210	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Solid Embedded Type Heating Elements	Efficiency test	Cl.No.102 of IS 4158
1211	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Solid Embedded Type Heating Elements	Test for metal body	Cl.No.101 of IS 4158
1212	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	CYCLIC TEMPERATURE VARIATION (DIFFERENTIAL)	Cl.No.20 of IS 2082
1213	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	DEVIATION FROM DIAL CALIBRATION	Cl.No.19 of IS 2082
1214	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	Finish	Cl.No.21 of IS 2082
1215	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	Hot Water Output	Cl.No.16 of IS 2082
1216	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	MEASUREMENT OF ENERGY CONSUMPTION	Cl.No.13 of IS 2082

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 69 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1217	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	MIXING FACTOR	Cl.No.18 of IS 2082
1218	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	Reheating Time	Cl.No.17 of IS 2082
1219	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	Standing loss per 24 Hrs	Cl.No.15 of IS 2082
1220	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary storage type electric water heater	VERIFICATION OF THE RATED CAPACITY	Cl.No.14 of IS 2082
1221	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Ambient Temperature Influence	Cl.12.12 of IS 13779
1222	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Interpretation of Test results	Cl. No. 6.12 of IS 16444 (Part 1)
1223	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	AC high Voltage test	Cl. no. 6.10.6 of IS 16444 (Part 1)
1224	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Ambient Temperature Influence	Cl. no. 6.12 of IS 16444 (Part 1)
1225	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Ambient Temperature Influence	Cl. no. 6.12 of IS 16444 (Part 1)
1226	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Clearances and Creepage Distances	Cl. no. 6.3 of IS 16444 (Part 1)
1227	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Cold Test	Cl. no. 6.9 of IS 16444 (Part 1)
1228	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Damp Heat Cyclic Test	Cl. no. 6.9 of IS 16444 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	70 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1229	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Display of Values	Cl.No. 6.6 of IS 16444 (Part 1)
1230	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Dry Heat Test	Cl. no. 6.9 of IS 16444 (Part 1)
1231	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Fast Transient Burst Test	Cl. no. 6.11 of IS 16444 (Part 1)
1232	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	General constructional requirements	Cl. no. 6.2 of IS 16444 (Part 1)
1233	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Impulse Voltage test	Cl. No. 6.10.6 of IS 16444 (Part 1)
1234	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Influence of Self-Heating	Cl. no. 6.10.4 of IS 16444 (Part 1)
1235	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Influence of Supply Voltage	Cl. No. 6.10.2 of IS 16444 (Part 1)
1236	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation Resistance test	Cl. No. 6.10.6 of IS 16444 (Part 1)
1237	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error	Cl. No. 6.12 of IS 16444 (Part 1)
1238	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Limits of error	Cl. No. 6.12 of IS 16444 (Part 1)
1239	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Marking of Smart Meter	Cl.No. 6.8 of IS 16444 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	71 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1240	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Power Consumption Test	Cl.no. 6.10.1 of IS 16444 (Part 1)
1241	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Protection against penetration of Dust and water	Cl. No. 6.5 of IS 16444 (Part 1)
1242	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Radio Interference Measurement	Cl. no. 6.11 of IS 16444(Part 1)
1243	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Repeatability of Error test	Cl. No. 6.12 of IS 16444 (Part 1)
1244	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Repeatability of Error test	Cl.no. 6.12 of IS 16444 (Part 1)
1245	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Shock test	Cl. No. 6.5 of IS 16444 (Part 1)
1246	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Short-time over current test	Cl. No. 6.10.3 of IS 16444 (Part 1)
1247	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Spring Hammer test	Cl. No. 6.5 of IS 16444 (Part 1)
1248	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Starting condition	Cl. No. 6.12 of IS 16444 (Part 1)
1249	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Surge Immunity test	Cl. No. 6.11 of IS 16444 (Part 1)
1250	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl.No. 6.2.1 of IS 16444 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	72 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1251	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of influence of heating	Cl. no. 6.10.5 of IS 16444 (Part 1)
1252	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Influence of Immunity to earth fault	Cl. No. 6.10.7 of IS 16444 (Part 1)
1253	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Influence quantities	Cl. No. 6.12 of IS 16444 (Part 1)
1254	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of influence quantities	Cl. No. 6.12 of IS 16444 (Part 1)
1255	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Meter Constant	Cl. No. 6.12 of IS 16444 (Part 1)
1256	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of no-load condition	Cl. no. 6.12 of IS 16444 (Part 1)
1257	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Resistance to heat and fire	Cl.No. 6.5 of IS 16444 (Part 1)
1258	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Verification of Output device (Operation indicator, Resolution)	Cl. No. 6.7 of IS 16444 (Part 1)
1259	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Verification of Terminal Cover	Cl.No. 6.2.2 of IS 16444 (Part 1)
1260	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2	Vibration test	Cl.No. 6.5 of IS 16444 (Part 1)
1261	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Direct Connected Watthour Smart Meter Class 1 and 2 - Specification	Test of Influence Short-time over current test	IS 16444 (Part 1)(Cl. 6.10.3)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	73 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1262	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Clearances and Creepage Distances	Cl. no. 6.6 of IS 14697
1263	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Display of measured values	Cl. no. 6.10 of IS 14697
1264	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Marking	Cl. no. 7 of IS 14697
1265	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Surge Immunity test	Cl. no. 12.8.5 of IS 14697
1266	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl. no. 6.4 of IS 14697
1267	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of Immunity to earth/Phase fault	Cl. no. 12.17 of IS 14697
1268	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of influence of heating	Cl. no. 12.7.5 of IS 14697
1269	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of Influence of Supply Voltage	Cl. no. 12.7.2 of IS 14697
1270	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of influence quantities	Cl. no. 12.10 & Table 13 of IS 14697
1271	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of influence quantities	Cl. no. 12.10 & Table 13 of IS 14697
1272	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of no-load condition	Cl. no. 12.12 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	74 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1273	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of Resistance to heat and fire	Cl. no. 12.4 of IS 14697
1274	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Verification of Output device (Operation indicator, Resolution)	Cl. no. 6.11 of IS 14697
1275	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Verification of Terminal Cover	Cl. no. 6.5 of IS 14697
1276	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	AC high Voltage test	Cl. no. 6.10.6 of IS 16444(Part 2)
1277	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Ambient Temperature Influence	Cl. 6.12 of IS 16444 (Part 2)
1278	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Ambient Temperature Influence	Cl. no. 6.12 of IS 16444 (Part 2)
1279	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Clearance and Creepage Distances	Cl. no. 6.3 of IS 16444 (Part 2)
1280	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Cold Test	Cl. no. 6.9 of IS 16444 (Part 2)
1281	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Damp Heat Cyclic Test	Cl. no. 6.9 of IS 16444 (Part 2)
1282	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Display of values	Cl.No. 6.6 of IS 16444 (Part 2)
1283	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Dry Heat Test	Cl. no. 6.9 of IS 16444 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	75 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1284	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Fast Transient Burst Test	Cl. no. 6.11 of IS 16444 (Part 2)
1285	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	General constructional requirements	Cl. no. 6.2 of IS 16444 (Part 2)
1286	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Impulse Voltage test	Cl. No. 6.10.6 of IS 16444 (Part 2)
1287	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Influence of Self-Heating	Cl. no. 6.10.4 of IS 16444 (Part 2)
1288	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Influence of Supply Voltage	Cl. no. 6.10.2 of IS 16444 (Part 2)
1289	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Insulation Resistance test	Cl. no. 6.10.6 of IS 16444 (Part 2)
1290	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Limits of error	Cl. No. 6.12 of IS 16444 (Part 2)
1291	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Limits of Error	Cl. No. 6.12 of IS 16444 (Part 2)
1292	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Marking of Smart Meter	Cl.No. 6.8 of IS 16444 (Part 2)
1293	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Power Consumption Test	Cl.no. 6.10.1 of IS 16444 (Part 2)
1294	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Protection against penetration of Dust and water	Cl. No. 6.5 of IS 16444 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	76 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1295	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Radio Interference Measurement	Cl. no. 6.11 of IS 16444(Part 2)
1296	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Repeatability of Error test	Cl. No. 6.12 of IS 16444 (Part 2)
1297	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Repeatability of Error test	Cl.no. 6.12 of IS 16444 (Part 2)
1298	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Shock Test	Cl. No. 6.5 of IS 16444 (Part 2)
1299	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Spring Hammer test	Cl. No. 6.5 of IS 16444 (Part 2)
1300	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Starting condition	Cl. No. 6.12 of IS 16444 (Part 2)
1301	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Surge Immunity test	Cl. No. 6.11 of IS 16444 (Part 2)
1302	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl.No. 6.2.1 of IS 16444 (Part 2)
1303	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of influence of heating	Cl. no. 6.10.5 of IS 16444(Part 2)
1304	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of Influence of Immunity to earth fault	Cl. no. 6.10.7 of IS 16444 (Part 2)
1305	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of influence quantities	Cl. No. 6.12 of IS 16444 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	77 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1306	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of influence quantities	Cl. No. 6.12 of IS 16444 (Part 2)
1307	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of Influence Short-time over current test	Cl. No. 6.10.3 of IS 16444 (Part 2)
1308	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of meter constant	Cl. No. 6.12 of IS 16444 (Part 2)
1309	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of no-load condition	Cl. no. 6.12 of IS 16444 (Part 2)
1310	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Test of Resistance to heat and fire	Cl.No. 6.5 of IS 16444 (Part 2)
1311	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Verification of Output device (Operation indicator, Resolution)	Cl. No. 6.7 of IS 16444 (Part 2)
1312	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Verification of Terminal Cover	Cl.No. 6.2.2 of IS 16444 (Part 2)
1313	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Vibration test	Cl.No. 6.5 of IS 16444 (Part 2)
1314	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S Part 2 Specification Transformer Operated Smart Meter	Test of Influence Short-time over current test	IS 16444 (Part 2) (Cl.6.10.3)
1315	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour and Var-Hour Smart Meters, Class 0.2S , 0.5S and 1.0S	Interpretation of Test results	Cl. No. 6.12 of IS 16444 (Part 2)
1316	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	AC high Voltage test	Cl. 12.7.6.3 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	78 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1317	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Ambient Temperature Influence	Cl 12.11 of IS 14697
1318	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Ambient Temperature Influence	Cl. 12.11 of IS 14697
1319	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Cold Test	Cl. 12.6.2 of IS 14697
1320	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Damp Heat Cyclic Test	Cl. 12.6.3 of IS 14697
1321	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Dry Heat Test	Cl. 12.6.1 of IS 14697
1322	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Fast Transient Burst Test	Cl. 12.8.4 of IS 14697
1323	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Impulse Voltage Test	Cl. 12.7.6.2 of IS 14697
1324	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Influence of Self-Heating	Cl. 12.7.4 of IS 14697
1325	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Insulation Resistance Test	Cl. 12.7.6.4 of IS 14697
1326	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Limits of errors	Cl. 11.1 of IS 14697
1327	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Limits of Errors	Cl. 11.1 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	79 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1328	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Power Consumption Test	Cl. 12.7.1 of IS 14697
1329	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Radio Interference Measurement	Cl. 12.8.6 of IS 14697
1330	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Repeatability of Error Test	Cl. 12.16 of IS 14697
1331	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Spring Hammer Test	Cl. 12.3.3 of IS 14697
1332	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Interpretation of Test results	Cl. no. 12.15 of IS 14697
1333	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Meter Constant	Cl. 12.14 of IS 14697
1334	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Protection against Penetration of Dust and Water	Cl. 12.5 of IS 14697
1335	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Repeatability of Error Test	Cl. 12.16 of IS 14697
1336	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Shock Test	Cl. 12.3.1 of IS 14697
1337	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Starting Condition	Cl. 12.13 of IS 14697
1338	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Test of Influence Short-time over currents	Cl. 12.7.3 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	80 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1339	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S)	Vibration test	Cl. 12.3.2 of IS 14697
1340	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Ambient Temperature Influence	Cl. 12.12 of IS 13779
1341	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Clearances and Creepage Distances	Cl. no. 6.6 of IS 13779
1342	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Cold Test	Cl. 12.6.2 of IS 13779
1343	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Damp Heat Cyclic Test	Cl.12.6.3 of IS 13779
1344	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Display of measured values	Cl. no. 6.10 of IS 13779
1345	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Dry Heat Test	Cl. 12.6.1 of IS 13779
1346	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Fast Transient Burst Test	Cl. 12.9.4 of IS 13779
1347	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Impulse Voltage Test	Cl. 12.7.6.2 of IS 13779
1348	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Influence of Self-Heating	Cl. 12.7.4 of IS 13779
1349	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Insulation Test	Cl. 12.7.6.4 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	81 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1350	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Limits of Errors	Cl. 11.1 of IS 13779
1351	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Limits of Errors	Cl. 11.1 of IS 13779
1352	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Marking	Cl. no. 7 of IS 13779
1353	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Meter Constant	Cl. 12.15 of IS 13779
1354	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Power Consumption Test	Cl. 12.7.1 of IS 13779
1355	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Protection against Penetration of Dust and Water	Cl.12.5 of IS 13779
1356	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Radio Interference Measurement	Cl. 12.9.6 of IS 13779
1357	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Repeatability of Error Test	Cl. 12.17 of IS 13779
1358	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Repeatability of Error Test	Cl. 12.17 of IS 13779
1359	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Shock test	Cl. 12.3.1 of IS 13779
1360	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Spring Hammer Test	IS 12.3.3 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	82 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1361	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Starting Condition	Cl. 12.14 of IS 13779
1362	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Surge Immunity Test	Cl. no. 12.9.5 of IS 13779
1363	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl. no. 6.4 of IS 13779
1364	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Immunity to earth/Phase fault	Cl. no. 12.8 of IS 13779
1365	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of influence of heating	Cl. no. 12.7.5 of IS 13779
1366	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence of Supply Voltage	Cl. no. 12.7.2 of IS 13779
1367	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of influence quantities	Cl. no. 12.11 & Table 17 of IS 13779
1368	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of influence quantities	Cl. no. 12.11 & Table 17 of IS 13779
1369	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Influence Short-time over currents	Cl. 12.7.3 of IS 13779
1370	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of no-load condition	Cl. no. 12.13 of IS 13779
1371	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Test of Resistance to heat and fire	Cl. no. 12.4 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	83 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1372	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Verification of Output device (Operation indicator, Resolution)	Cl. no. 6.11 of IS 13779
1373	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Verification of Terminal Cover	Cl. no. 6.5 of IS 13779
1374	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	a.c. Static Watthour Meters, Class 1 and 2	Vibration test	Cl.12.3.2 of IS 13779
1375	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED , WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	AC high Voltage test	Cl. 12.7.6.3 of IS 14697
1376	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Interpretation of Test results	Cl. no. 12.15 of IS 14697
1377	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Clearance and Creepage Distance	Cl. no. 6.6 of IS 14697
1378	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Display of measured values	Cl. no. 6.10 of IS 14697
1379	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Marking	Cl. no. 7 of IS 14697
1380	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl. no. 6.4 of IS 14697
1381	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of Immunity to earth/Phase fault	Cl. 12.17 of IS 14697
1382	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of influence of heating	Cl. no. 12.7.5 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	84 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1383	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of Influence of Supply Voltage	Cl. no. 12.7.2 of IS 14697
1384	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of influence quantities	Cl. no. 12.10 & Table 13 of IS 14697
1385	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of influence quantities	Cl. no. 12.10 & Table 13of IS 14697
1386	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of no-load condition	Cl. 12.12 of IS 14697
1387	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Test of Resistance to heat and fire	Cl. no.12.4 of IS 14697
1388	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Verification of Output device (Operation indicator, Resolution)	Cl. no. 6.11 of IS 14697
1389	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOUR METERS, CLASS 0.2 S AND 0.5 S	Verification of Terminal Cover	Cl. no. 6.5 of IS 14697
1390	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Ambient Temperature Influence	Cl. 12.11 of IS 14697
1391	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Damp Heat Cyclic Test	Cl. 12.6.3 of IS 14697
1392	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Dry Heat Test	Cl. 12.6.1 of IS 14697
1393	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Fast Transient Burst Test	Cl. 12.8.4 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	85 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1394	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Impulse Voltage test	Cl. 12.7.6.2 of IS 14697
1395	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Influence of Self-Heating	Cl. 12.7.4 of IS 14697
1396	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Insulation Resistance Test	Cl. 12.7.6.4 of IS 14697
1397	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Limits of Error	Cl. 11.1 of IS 14697
1398	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Limits of Errors	Cl. 11.1 of IS 14697
1399	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Power Consumption Test	Cl. 12.7.1 of IS 14697
1400	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Protection against Penetration of Dust and Water	Cl. 12.5 of IS 14697
1401	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Radio Interference Measurement	Cl. 12.8.5 of IS 14697
1402	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Repeatability of Error Test	Cl. 12.16 of IS 14697
1403	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Spring Hammer Test	Cl. 12.3.3 of IS 14697
1404	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Meter Constant	Cl. 12.14 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	86 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1405	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Repeatability of Error Test	Cl. 12.16 of IS 14697
1406	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Shock Test	Cl. 12.3.1 of IS 14697
1407	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Starting Condition	Cl. 12.13 of IS 14697
1408	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Test of Influence Short-time over currents Test	Cl. 12.7.3 of IS 14697
1409	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOUR AND VAR-HOURMETERS, CLASS 0.2S AND 0.5S	Vibration Test	Cl. 12.3.2 of IS 14697
1410	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOURANDVAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Ambient Temperature Influence	Cl. 12.11 of IS 14697
1411	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC TRANSFORMER OPERATED, WATTHOURANDVAR-HOURMETERS, CLASS 0.2 S AND 0.5 S	Cold Test	Cl. 12.6.2 of IS 14697
1412	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1AND 2	AC high Voltage test	Cl. 12.7.6.3 of IS 13779
1413	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1AND 2	AC high Voltage test	Cl.12.7.6.3 of IS 13779
1414	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1AND 2	Ambient Temperature Influence	Cl.12.12 of IS 13779
1415	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Interpretation of Test results	Cl. no. 12.16 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	87 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1416	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Ambient Temperature Influence	Cl.12.12 of IS 13779
1417	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Clearances and Creepage Distances	Cl. no. 6.6 of IS 13779
1418	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Cold Test	Cl. 12.6.2 of IS 13779
1419	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Damp Heat Cyclic Test	Cl. 12.6.3 of IS 13779
1420	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Display of measured values	Cl. no. 6.10 of IS 13779
1421	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Dry Heat Test	Cl. 12.6.1 of IS 13779
1422	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Fast Transient Burst Test	Cl. 12.9.4 of IS 13779
1423	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Impulse Voltage test	Cl. 12.7.6.2 of IS 13779
1424	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Influence of Self-Heating	Cl. 12.7.4 of IS 13779
1425	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Insulation Test	Cl.12.7.6.4 of IS 13779
1426	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Limits of Errors	Cl. 11.11 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	88 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1427	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Limits of Errors	Cl. 11.11 of IS 13779
1428	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Marking	Cl. no. 7 of IS 13779
1429	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Meter Constant	Cl. 12.15 of IS 13779
1430	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Power Consumption Test	Cl.12.7.1 of IS 13779
1431	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Protection against Penetration of Dust and Water	Cl. 12.5 of IS 13779
1432	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Radio Interference Measurement	Cl. 12.9.5 of IS 13779
1433	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Repeatability of Error Test	Cl. 12.17 of IS 13779
1434	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Repeatability of Error Test	Cl. 12.17 of IS 13779
1435	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Shock Test	Cl. 12.3.1 of IS 13779
1436	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Spring Hammer Test	Cl. 12.3.3 of IS 13779
1437	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Starting condition	Cl. 12.14 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	89 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1438	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Terminals, Terminals Block(s) and Protective Earth Terminal	Cl. no. 6.4 of IS 13779
1439	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of influence of heating	Cl. no. 12.7.5 of IS 13779
1440	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of Influence of Immunity to earth Fault	Cl. no. 12.8 of IS 13779
1441	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of influence quantities	Cl. no. 12.11 & Table 17 of IS 13779
1442	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of influence quantities	Cl. no. 12.11 & Table 17 of IS 13779
1443	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of Influence Short-time over currents	Cl. 12.7.3 of IS 13779
1444	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of no-load condition	Cl. no. 12.13 of IS 13779
1445	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Test of Resistance to heat and fire	Cl. no. 12.4 of IS 13779
1446	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Verification of Output device (Operation indicator, Resolution)	Cl. no. 6.11 of IS 13779
1447	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Verification of Terminal Cover	Cl. no. 6.5 of IS 13779
1448	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATIHOUR METERS, CLASS 1 AND 2	Vibration Test	Cl. 12.3.2 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	90 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1449	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters (Single and Three phase) Accuracy Class: Direct Connected: 1, 2 CT Operated: 0.2S, 0.5S, 1.0 S	Test of Influence Short-time over currents Test	IS 14697 (Cl. 12.7.3)
1450	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters (Single and Three phase) Accuracy Class: Direct Connected: 1, 2 CT Operated: 0.2S, 0.5S, 1.0 S	Test of Influence Short-time over currents Test	IS 13779 (Cl. 12.7.3)
1451	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	ac STATIC WATTHOUR METERS, CLASS 1 AND 2	Test of Influence of Supply Voltage	Cl. no. 12.7.2 of IS 13779
1452	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	"Performance requirements for load switching utilization categories UC2 and UC3 (Load swithing capability test)"	IS 15884 (Cl.4.6.6.2.2)
1453	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	"Test of influence quantities a) Frequency Variation b) Reverse Phase Sequence c) Waveform 10% of third harmonic in current d) Voltage Variation e) Voltage unbalance f) DC Component in the AC Current circuit/DC and even harmonics in the current circuit g) Auxiliary Voltage h) Phase of auxiliary supply voltage changed by 120° i) Operation of accessories j) Continious magnetic induction of external origin 0.2T, k) Continious magnetic induction of external origin 67mT l) Magnetic inducti	IS 1588(Cl.5.6.2)
1454	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	"Verification of Terminal Block(s) Protective Earth Terminal"	IS 15884 (Cl.4.2.4)
1455	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	AC Voltage test	IS 15884 (Cl.5.4.6.3)
1456	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Clearance and Creepage Distances	IS 15884 (Cl.4.2.6)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	91 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1457	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Climatic Requirements (Temperature and Humidity Test)	IS 15884 (Cl.4.3)
1458	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Cold Test	IS 15884 (Cl.5.3.2)
1459	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Damp Heat Cyclic Test	IS 15884 (Cl.5.3.3)
1460	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Dimensional measurements on terminal, Terminal holes and protective Earth terminal	IS 15884 (Cl.4.2.4)
1461	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Dry Heat Test	IS 15884 (Cl.5.3.1)
1462	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	IS 15884 (Cl.4.2.1)
1463	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Fast Transient Burst Test	IS 15884 (Cl.5.5.4)
1464	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Heat deflection test on Terminal block	IS 15884(Cl.4.2.4)
1465	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Impulse Voltage test	IS 15884 (Cl.5.4.6.2)
1466	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Insulation Resistance test	IS 15884 (Cl.5.4.6.4)
1467	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	load switching utilization category UC1 (Load swithing capability test)	IS 15884 (Cl.4.6.6.2.1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	92 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1468	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Measurement of character size	IS 15884 (Cl.4.2.10.3)
1469	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Mechanical and electrical characteristics (Optical test output, waveform characters, Frequency and time verification)	IS 15884 (Cl.4.2.10.8)
1470	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Optical characteristics (Radiation test of output device)	IS 15884 (Cl.4.2.10.9)
1471	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Performance requirements for load switching (Making and breaking test on Load switch)	IS 15884 (Cl.4.6.6.2.2)
1472	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Pull force (Token carrier acceptor)	IS 15884 (Cl.4.2.12)
1473	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Radio Interference Measurement (Conducted emission and Disturbance Power Measurement test)	IS 15884 (Cl.5.5.5)
1474	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Repeatability of Error test	IS 15884 (Cl.5.6.7)
1475	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Shock Test	IS 15884 (Cl.5.2.2)
1476	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Spring Hammer Test	IS 15884 (Cl.5.2.1)
1477	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Surge Immunity test	IS 15884 (Cl.5.5.6)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	93 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1478	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Consumption Based Charging Functions	IS 1588 (Cl.5.9)
1479	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Immunity to Electromagnetic HF Fields	IS 15884 (Cl.5.5.3)
1480	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Immunity to Electrostatic Discharges test	IS 15884 (Cl.5.5.2)
1481	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of influence of heating	IS 15884 (Cl.5.4.5)
1482	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Influence of Self-Heating	IS 15884 (Cl.5.4.4)
1483	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Influence of Self-Heating	IS 15884(Cl.5.4.4)
1484	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Influence Short-time over current test	IS 15884 (Cl.5.4.3)
1485	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Keeping Time	IS 15884 (Cl.5.7)
1486	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of meter constant	IS 15884(Cl.5.6.5)
1487	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of no-load condition	IS 15884 (Cl.5.6.3)
1488	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Power Consumption	IS 15884(Cl.5.4.1 & 4.4.1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	94 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1489	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Resistance to Heat and Fire	IS 15884 (Cl.5.2.4)
1490	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of the load switch (Endurance Test, Short Cuircuit Test, Short Time Over Current Test, Fault Current Making Capacity Test)	IS 15884 (Cl.5.8)
1491	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Time-Based Charging Functions	IS 15884 (Cl.5.10)
1492	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Tests of Protection Against Penetration of Dust and Water	IS 15884 (Cl.5.2.5)
1493	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of Case of the meter	IS 15884 (Cl.4.2.2)
1494	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of communicational requirement of Insulating Encased Meter of Protective Class II	IS 15884 (Cl.4.2.7)
1495	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of Display of Measured Values	IS 15884 (Cl.4.2.10)
1496	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of marking	IS 15884 (Cl.4.2.11)
1497	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of Terminal covers	IS 15884 (Cl.4.2.5)
1498	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification of window requirement	IS 15884 (Cl.4.2.3)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	95 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1499	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Verification or Interpretation of Test results	IS 15884 (Cl.5.6.6)
1500	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Vibration Test	IS 15884 (Cl.5.2.3)
1501	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electrical and Electronic (Static) Energy meters (Class 1 and 2) Electrical and Electronic (Static) Energy meters (Class 1 and 2)	Test of Influence of Supply Voltage	IS 15884(Cl.5.4.2)
1502	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Ambient Temperature Influence	Cl. no. 9.4.4 of IEC 62052-11
1503	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Ambient Temperature Influence	Cl. no. 9.4.4 of IEC 62052-11
1504	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Auxiliary Voltage Variation	Cl. no. 9.4.8 of IEC 62052-11
1505	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Cold Test	Cl. no. 8.3.4 of IEC 62052-11
1506	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Construction Requirements	Cl. no. 5.1 of IEC 62052-11
1507	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Damp Heat Cyclic Test	Cl. no. 8.3.5 of IEC 62052-11
1508	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Display of measured values	Cl. no. 5.6 of IEC 62052-11
1509	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Dry Heat Test	Cl. no. 8.3.3 of IEC 62052-11

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	96 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1510	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Earth Fault	Cl. no. 9.4.13 of IEC 62052-11
1511	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Electrical Fast Transient/Burst Immunity Test	Cl. no. 9.3.6 of IEC 62052-11
1512	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Fast load Current Variations	Cl. no. 9.4.12 of IEC 62052-11
1513	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Frequency Variation	Cl. no. 9.4.6 of IEC 62052-11
1514	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Harmonics in the current and voltage circuits 5th harmonic test	Cl. no. 9.4.2.2 of IEC 62052-11
1515	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Initial Start up of the meter	Cl. no. 7.5 of IEC 62052-11
1516	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Interruption of Phase Voltage	Cl. no. 9.4.5 of IEC 62052-11
1517	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Limits of error due to Influence quantities	Cl. no. 7.10 of IEC 62052-11
1518	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Limits of error due to Influence quantities	Cl. no. 7.10 of IEC 62052-11
1519	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62052-11
1520	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Limits of errors due to the variation of current	Cl. no. 7.9 of IEC 62052-11

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	97 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1521	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Marking	Cl. no. 6.2 of IEC 62052-11
1522	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Odd Harmonics in the Current Circuit	Cl. no. 9.4.2.4 of IEC 62052-11
1523	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Operation of Auxiliary Devices	Cl. no. 9.4.9 of IEC 62052-11
1524	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Power Consumption Test	Cl. no. 4.4 of IEC 62052-11
1525	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Repeatability of Error Test	Cl. no. 7.8 of IEC 62052-11
1526	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Repeatability of Error Test	Cl. no. 7.8 of IEC 62052-11
1527	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Reverse Phase Sequence	Cl. no. 9.4.7 of IEC 62052-11
1528	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Sealing Provisions	Cl. no. 5.5 of IEC 62052-11
1529	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Self - Heating	Cl. no. 9.4.11 of IEC 62052-11
1530	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Shock test	Cl. no. 5.2.1 of IEC 62052-11
1531	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Short time Over Currents	Cl. no. 9.4.10 of IEC 62052-11

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	98 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1532	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Starting Current	Cl. no. 7.7 of IEC 62052-11
1533	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Storage of Measured Values	Cl. no. 5.7 of IEC 62052-11
1534	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Surge Immunity test	Cl. no. 9.3.9 of IEC 62052-11
1535	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Terminals, Terminals Block(s) and Protective Conductor Terminal	Cl. no. 5.4 of IEC 62052-11
1536	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Test of meter constant	Cl. no. 7.4 of IEC 62052-11
1537	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Test of no-load condition	Cl. no. 7.6 of IEC 62052-11
1538	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Time - Keeping Accuracy	Cl. no. 7.11 of IEC 62052-11
1539	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Vibration test	Cl. no. 5.2.2 of IEC 62052-11
1540	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Voltage dips and Short Interruptions	Cl. no. 9.3.2 of IEC 62052-11
1541	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment	Voltage Variation	Cl. no. 9.4.3 of IEC 62052-11
1542	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment	Test of Influence Short-time over currents Test	IEC 62052-11

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	99 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1543	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2	Limits of error due to Influence quantities	Cl. no. 7.10 & Table 4of IEC 62053-21
1544	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Test of Influence Short-time over currents Test	IEC 62053-21
1545	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Cold Test	Cl. no. 8.0 of IEC 62053-21
1546	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Construction Requirements	Cl. no. 5.0 of IEC 62053-21
1547	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Damp Heat Cyclic Test	Cl. no. 8.0 of IEC 62053-21
1548	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Dry Heat Test	Cl. no. 8.0 of IEC 62053-21
1549	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Initial Start up of the meter	Cl. no. 7.5 of IEC 62053-21
1550	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Limits of error due to Influence quantities	Cl. no. 7.10 & Table 4 of IEC 62053-21
1551	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62053-21
1552	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62053-21
1553	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Meter Marking and documentation	Cl. no. 6 of IEC 62053-21

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	100 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1554	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Power Consumption	Cl. no. 4.4 of IEC 62053-21
1555	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Power Consumption	Cl. no. 4.4 of IEC 62053-22
1556	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-21
1557	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-21
1558	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Starting Current Test	Cl. no. 7.7 of 7.7 IEC 62053-21
1559	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Test of Meter Constant	Cl. no. 7.4 of IEC 62053-21
1560	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Test of no-load condition	Cl. no. 7.6 of IEC 62053-21
1561	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 21: Static meters for AC active energy (classes 0,5, 1 and 2)	Time-Keeping Accuracy	Cl. no. 7.11 of IEC 62053-21
1562	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Test of Influence Short-time over currents Test	IEC 62053-22
1563	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Cold Test	Cl. no. 8.0 of IEC 62053-22
1564	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Construction Requirements	Cl. no. 5.0 of IEC 62053-22

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	101 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1565	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Damp Heat Cyclic Test	Cl. no. 8.0 of IEC 62053-22
1566	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Dry Heat Test	Cl. no. 8.0 of IEC 62053-22
1567	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Initial Start up of the meter	Cl. no. 7.5 of IEC 62053-22
1568	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Limits of error due to Influence quantities	Cl. no. 7.10 & Table 4 of IEC 62053-22
1569	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Limits of error due to Influence quantities	Cl. no. 7.10 & Table 4 of IEC 62053-22
1570	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62053-22
1571	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Limits of errors due to the variation of current	Cl. no. 7.9 of IEC 62053-22
1572	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Meter Marking and documentation	Cl. no. 6.0 of IEC 62053-22
1573	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-22
1574	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-22
1575	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Starting Current Test	Cl. no. 7.7 of IEC 62053-22

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	102 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1576	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Test of meter constant	Cl. no. 7.4 of IEC 62053-22
1577	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Test of no-load condition	Cl. no. 7.6 of IEC 62053-22
1578	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S)	Time-Keeping Accuracy	Cl. no. 7.11 of IEC 62053-22
1579	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Test of Influence Short-time over currents Test	IEC 62053-23
1580	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static Meters for reactive energy (Classes 2 and 3)	Cold Test	Cl. no. 8.0 of IEC 62053-23
1581	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Construction Requirements	Cl. no. 5.0 of IEC 62053-23
1582	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Damp Heat Cyclic Test	Cl. no. 8.0 of IEC 62053-23
1583	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (Classes 2 and 3)	Dry Heat Test	Cl. no. 8.0 of IEC 62053-23
1584	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Initial Start up of the meter	Cl. no. 7.5 of IEC 62053-23
1585	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Limits of error due to Influence quantities	Cl. no. 7.10 & Table 4 of IEC 62053-23
1586	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Limits of error due to influence quantities	Cl. no. 7.10 & Table 4 of IEC 62053-23

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	103 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1587	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62053-23
1588	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Limits of errors due to the Variation of Current	Cl. no. 7.9 of IEC 62053-23
1589	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Meter Marking and documentation	Cl. no. 6.0 of IEC 62053-23
1590	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Power Consumption	Cl. no. 4.4 of IEC 62053-23
1591	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-23
1592	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Repeatability of Error Test	Cl. no. 7.8 of IEC 62053-23
1593	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Starting Current Test	Cl. no. 7.7 of IEC 62053-23
1594	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Test of meter constant	Cl. no. 7.4 of IEC 62053-23
1595	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Test of no-load condition	Cl. no. 7.6 of IEC 62053-23
1596	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Electricity metering equipment - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)	Time Keeping Accuracy	Cl. no. 7.11 of IEC 62053-23

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	104 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1597	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Electrical Fast Transient (EFT)/ Burst Immunity Test	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106
1598	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Conducted RF Immunity Test	IEC 61000-4-6
1599	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Pulse magnetic field immunity test	IEC 60947-1:2020, IEC 60947-3
1600	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN 60255-26:2013, EN 60255-1
1601	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	EN 62920:2017/A1
1602	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	IEC 62920:2017+AMD1
1603	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	Cl. No. 7.3, Table 46 of IEC 61131-2
1604	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Electrostatic Discharge Immunity Test	Cl. 12.9.2 of IS 13779
1605	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. 12.8.4 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	105 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1606	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Radiated Immunity/ susceptibility Test	Cl. 12.8.3 of IS 14697
1607	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 12.8.6 of IS 14697
1608	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Conducted Emission Test	Cl. No. 12.8.6 of IS 14697
1609	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Surge Immunity Test	Cl. 12.8.5 of IS 14697
1610	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Electrostatic Discharge Immunity Test	Cl. 12.8.2 of IS 14697
1611	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Conducted Emission Test	Cl. No. 12.9.6 of IS 13779
1612	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. 12.9.4 of IS 13779
1613	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Radiated Immunity/ susceptibility Test	Cl. 12.9.3 of IS 13779
1614	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 12.9.6 of IS 13779
1615	ELECTRICAL- EMI / EMC TEST FACILITY	AC Static Watt hour Meters	Surge Immunity Test	Cl. 12.9.5 of IS 13779
1616	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Immunity/ susceptibility Test	EN 61800-3
1617	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	EN 61800-3
1618	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	IEC 61800-3
1619	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	IEC 61800-3
1620	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonic Current Emission	EN 61800-3
1621	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	EN 61800-3
1622	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	IEC 61800-3
1623	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	EN 61800-3
1624	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	IEC 61800-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	106 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1625	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61800-3
1626	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Immunity/ susceptibility Test	IEC 61800-3
1627	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	EN 61800-3
1628	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	IEC 61800-3
1629	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	EN 61800-3
1630	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	IEC 61800-3
1631	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	IS/IEC 61800 : Part 3
1632	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	EN 61800-3
1633	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	IS/IEC 61800 : Part 3
1634	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 61800 : Part 3
1635	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	IS/IEC 61800 : Part 3
1636	ELECTRICAL- EMI / EMC TEST FACILITY	adjustable speed electrical power drive systems	Harmonic Current Emission	IEC 61800-3
1637	ELECTRICAL- EMI / EMC TEST FACILITY	adjustable speed electrical power drive systems	Harmonic Current Emission	IS/IEC 61800 : Part 3
1638	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	IS/IEC 61800 : Part 3
1639	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	IS/IEC 61800 : Part 3
1640	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	IS/IEC 61800 : Part 3
1641	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Immunity/ susceptibility Test	IS/IEC 61800 : Part 3
1642	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	IEC 61800-3
1643	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	EN 61800-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	107 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1644	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	IS/IEC 61800 : Part 3
1645	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 61800 : Part 3
1646	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61800 : Part 3
1647	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	IS/IEC 61800 : Part 3
1648	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61800-3
1649	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	EN 61800-3
1650	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	IEC 61800-3
1651	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	EN 61800-3
1652	ELECTRICAL- EMI / EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	IEC 61800-3
1653	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	EN 61000-4-11
1654	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-4-11
1655	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 4 / Sec 11)
1656	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61000-4-4
1657	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Conducted RF Immunity Test	IS 14700 : Part 4 : Sec 6
1658	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61000-4-4
1659	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14700 : Part 4 : Sec 4
1660	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	IEC 61000-4-2
1661	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	EN 61000-4-8
1662	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	IEC 61000-4-8

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	108 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1663	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	IS 14700 : Part 4 : Sec 8
1664	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	EN 61000-4-9
1665	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	IEC 61000-4-9
1666	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Radiated Immunity/ susceptibility Test	BS EN IEC 61000-4-3
1667	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage change, Fluctuation & Flicker measurement Test	EN 61000-3-11
1668	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage change, Fluctuation & Flicker measurement Test	EN 61000-3-3
1669	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	EN 61000-4-34:2007+ A1
1670	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-4-34: 2005 +A1
1671	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 4/Sec 34)
1672	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	EN 61000-4-2
1673	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	IS 14700 (Part 4 /Sec 2)
1674	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Radiated Immunity/ susceptibility Test	IEC 61000-4-3
1675	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	IS 14700 (Part 4/Sec 5)
1676	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 61000-4-29
1677	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Harmonic Current Emission	EN 61000-3-12
1678	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	IS 14700(Part 4/Sec 9)
1679	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	EN 61000-4-5: 2014+A1
1680	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	IEC 61000-4-5:2014+ A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	109 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1681	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Conducted Emission Test	TEC/SD/DD/EMC-221/05/OCT-
1682	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Radiated Immunity/ susceptibility Test	TEC/SD/DD/EMC-221/05/OCT
1683	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Voltage dips, short interruption & voltage variations Immunity	TEC/SD/DD/EMC-221/05/OCT-
1684	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Conducted RF Immunity Test	TEC/SD/DD/EMC-221/05/OCT
1685	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Electrostatic Discharge Immunity Test	K.20:2021, K.21
1686	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Electrostatic Discharge Immunity Test	TEC/SD/DD/EMC-221/05/OCT
1687	ELECTRICAL- EMI / EMC TEST FACILITY	All Telecommunication equipment's	Surge Immunity Test	TEC/SD/DD/EMC-221/05/OCT
1688	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Conducted Emission Test	IS 6873 (Part 4)
1689	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic Field Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
1690	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic Field Emission Test	EN 55011: 2016+ A1:2017+A11
1691	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic field Emission Test	IS 6873 (Part 4)
1692	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	IS 6873 (Part 4)
1693	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Conducted Emission Test	BS EN 55011:2016+A2
1694	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Conducted Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
1695	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	EN 55011: 2016+ A1:2017+A11
1696	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
1697	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Click measurement test	EN 61000-6-3
1698	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Click measurement test	IEC 61000-6-3
1699	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Conducted Emission Test	EN 61000-6-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	110 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1700	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Conducted Emission Test	IEC 61000-6-3
1701	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Radiated Emission Test	IEC 61000-6-3
1702	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Radiated Emission Test	EN 61000-6-3
1703	ELECTRICAL- EMI / EMC TEST FACILITY	Any Electrical and Electronic Products	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60255-1:2009, IEC 60255-26
1704	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	EN 60730-1:2016+ A1
1705	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS 14700 (Part4/ Sec3)
1706	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IEC 60730-1
1707	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	EN 60730 (Part 1): 2016 +A1
1708	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IEC 60730-1
1709	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IEC 60730-1:2013+A1:2015 +A2(Withdrawn):2020/ IEC 60730-2-9 :2015+A1:2018+A2
1710	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	EN 60730-1:2016+ A1
1711	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	EN 60730-1:2016+ A1
1712	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	EN IEC 60730-2-9
1713	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IS/IEC 60730 : PART 1
1714	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1715	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	EN 60730-1:2016+A1
1716	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1717	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	EN 60730-1:2016+ A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	111 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1718	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IEC 60730-1
1719	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1720	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	EN IEC 60730-2-9
1721	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IS/IEC 60730 : Part 2 : Sec 9
1722	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 26 of IEC 60730-2-9 :2015 +A1: 2018+ A2
1723	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 60730-1:2016+ A1
1724	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60730-1: 2013+ A1:2015+ A2(Withdrawn)
1725	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	Cl. No. 26 of IEC 60730-2-9:2015 +A1: 2018 + A2
1726	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	Cl. No. 26 of IEC 60730-2-9:2015+ A1:2018+A2
1727	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	EN 60730 (Part 1): 2016 +A1
1728	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IEC 60730-1
1729	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IEC 60730-1: 2013+A1:2015+ A2(Withdrawn)
1730	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1731	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	EN 60730-1:2016 + A1
1732	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IEC 60730-1
1733	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1734	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60730 : PART 1
1735	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60730 : Part 2 : Sec 9

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	112 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1736	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1737	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	EN 60730-1:2016 + A1
1738	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IEC 60730-1
1739	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	EN IEC 60730-2-9
1740	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IS/IEC 60730 : PART 1
1741	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IS/IEC 60730 : Part 2 : Sec 9
1742	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IEC 60730-1
1743	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1744	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1745	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	EN IEC 60730-2-9
1746	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IS/IEC 60730 : PART 1
1747	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IS/IEC 60730 : Part 2 : Sec 9
1748	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	EN IEC 60730-2-9
1749	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
1750	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IS/IEC 60730 : PART 1
1751	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 60730-2-9
1752	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60730 : PART 1
1753	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
1754	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IEC 60730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	113 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1755	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	EN IEC 60730-2-9
1756	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IS/IEC 60730 : PART 1
1757	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
1758	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	EN IEC 60730-2-9
1759	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	IS/IEC 60730 : PART 1
1760	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
1761	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	EN IEC 60730-2-9
1762	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IS/IEC 60730 : PART 1
1763	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IS/IEC 60730 : Part 2 : Sec 9
1764	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	EN IEC 60730-2-9
1765	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS/IEC 60730 : PART 1
1766	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS/IEC 60730 : Part 2 : Sec 9
1767	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	EN 60730-1:2016+ A1
1768	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	Cl. No. 26 of IEC 60730-2-9 :2015 +A1: 2018+ A2
1769	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	EN IEC 60730-2-9
1770	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IS/IEC 60730 : PART 1
1771	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
1772	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1773	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	114 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1774	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60730-1
1775	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
1776	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	EN 60730-1:2016+ A1
1777	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IEC 60730-1
1778	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1779	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IEC 60730-1
1780	ELECTRICAL- EMI / EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1781	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA)	Electrostatic Discharge Immunity Test	ISO 10605
1782	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA)	Electrostatic Discharge Immunity Test	SAE J1113/13
1783	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Bulk Current Injection Test	ISO 13766-1 : 2018, ISO 13766-2
1784	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Electrical Fast Transient (EFT)/ Burst Immunity Test	ISO 13766-1 : 2018, ISO 13766-2
1785	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Radiated Emission Test	ISO 13766-1 : 2018, ISO 13766-2
1786	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Voltage change, Fluctuation & Flicker measurement Test	ISO 13766-1 : 2018, ISO 13766-2
1787	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Bulk Current Injection Test	ISO 13766-1 : 2018, ISO 13766-2
1788	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Conducted Emission Test	ISO 13766-1 : 2018, ISO 13766-2
1789	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Electrical Fast Transient (EFT)/ Burst Immunity Test	ISO 13766-1 : 2018, ISO 13766-2
1790	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Electrostatic Discharge Immunity Test	ISO 13766-1 : 2018, ISO 13766-2
1791	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Harmonic Current Emission	ISO 13766-1 : 2018, ISO 13766-2
1792	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Surge Immunity Test	ISO 13766-1 : 2018, ISO 13766-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 115 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1793	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	ECE R-10 Rev 06
1794	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	ES96200
1795	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	TST/TS/WI/257 issue 07
1796	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	CISPR 25
1797	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	CISPR 25 (withdrawn)
1798	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	EN 55025
1799	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	IS 15040
1800	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	CISPR 25
1801	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	CISPR 25 (withdrawn)
1802	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	EN 55025
1803	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	IS 15040
1804	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Radiated Emission Test	IS 15040
1805	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	Cl. No. 10 of Annex 2 of AIS-004 (Part 2)
1806	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	Cl. No. 4.3 of Annex 7 of AIS-004 (Part 3) (Rev.1)
1807	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	SAE1113-4
1808	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Electrical Fast Transient (EFT)/ Burst Immunity Test	Annex 19 of AIS-004 (Part 3) (Rev.1)
1809	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	Cl. No. 4.1 of Annex-7 of AIS-004 (Part 3) (Rev.1)
1810	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	Cl. No. 8 of Annex-2 of AIS-004 (Part 2)
1811	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	ECE R-10 Rev 6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	116 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1812	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	MS-0032021
1813	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Conducted RF Immunity Test (Bulk Current Injection Method)	ISO 11452-4
1814	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	ES96200
1815	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	ECE R-10 Rev 6
1816	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Surge Immunity Test	Annex 20 of AIS-004 (Part 3) (Rev.1
1817	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Conducted Emission Test	Annex-17 & 18 of AIS-004 (Part 3) (Rev.1)
1818	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Harmonic Current Emission	Annex-15 of AIS-004 (Part 3) (Rev.1
1819	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Harmonic Current Emission	ECE R-10 Rev 6
1820	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	Annex-5&6 of AIS-004 (Part 3) (Rev.1):2020, AIS-004 (Part 1)
1821	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	CISPR 25
1822	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	CISPR 25 (withdrawn)
1823	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	ECE R-10 Rev 6
1824	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	ES96200
1825	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	MS-0032022
1826	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	SAE J1113-41
1827	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	TST/TS/WI/257Clause 3.0
1828	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Electrical Fast Transient (EFT)/Burst Immunity Test	ECE R-10 Rev 6
1829	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	EN 55025
1830	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Voltage change, Fluctuation & Flicker measurement Test	Annex-16 of AIS-004 (Part 3) (Rev.1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	117 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1831	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Voltage change, Fluctuation & Flicker measurement Test	ECE R-10 Rev 6
1832	ELECTRICAL- EMI / EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Surge Immunity Test	ECE R-10 Rev 6
1833	ELECTRICAL- EMI / EMC TEST FACILITY	Digital (ISM) Equipment's	Radiated Emission Test	FCC (Part 18)
1834	ELECTRICAL- EMI / EMC TEST FACILITY	Digital Equipment's	Conducted Emission Test	FCC (Part 15) Subpart B
1835	ELECTRICAL- EMI / EMC TEST FACILITY	Digital Equipment's	Radiated Emission Test	FCC (Part 15) Subpart B
1836	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Conducted Emission Test	Cl. No. 6.11 of IS 16444 (Part 1)
1837	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 6.11 of IS 16444 (Part 1)
1838	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Electrostatic Discharge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
1839	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
1840	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Radiated Immunity/ susceptibility Test	Cl. No. 6.11 of IS 16444 (Part 1)
1841	ELECTRICAL- EMI / EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Surge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
1842	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	BS EN IEC 61851-21-2
1843	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	EN 61851-21-2
1844	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	IEC 61851-21-2
1845	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	IS 17017 : Part 21 : Sec 2
1846	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted RF Immunity Test	BS EN IEC 61851-21-2
1847	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted RF Immunity Test	IEC 61851-21-2
1848	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted RF Immunity Test	IS 17017 : Part 21 : Sec 2
1849	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	IEC 61851-21-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 118 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1850	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	IS 17017 : Part 21 : Sec 2
1851	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	BS EN IEC 61851-21-2
1852	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	EN 61851-21-2
1853	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	IEC 61851-21-2
1854	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	IS 17017 : Part 21 : Sec 2
1855	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN IEC 61851-21-2
1856	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61851-21-2
1857	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 17017 : Part 21 : Sec 2
1858	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	BS EN IEC 61851-21-2
1859	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	BS EN IEC 61851-21-2
1860	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	EN 61851-21-2
1861	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	IEC 61851-21-2
1862	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	IS 17017 : Part 21 : Sec 2
1863	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	BS EN IEC 61851-21-2
1864	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	EN 61851-21-2
1865	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	IEC 61851-21-2
1866	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	IS 17017 : Part 21 : Sec 2
1867	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	BS EN IEC 61851-21-2
1868	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	IEC 61851-21-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	119 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1869	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	IS 17017 : Part 21 : Sec 2
1870	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrostatic Discharge Immunity Test	IEC 61851-21-2
1871	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	EN IEC 61851-21-2
1872	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	IEC 61851-21-2
1873	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	IS 17017 : Part 21 : Sec 2
1874	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrostatic Discharge Immunity Test	EN IEC 61851-21-2
1875	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Electrostatic Discharge Immunity Test	IS 17017 : Part 21 : Sec 2
1876	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	BS EN IEC 61851-21-2
1877	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	BS EN IEC 61851-21-2
1878	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	IEC 61851-21-2
1879	ELECTRICAL- EMI / EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	IS 17017 : Part 21 : Sec 2
1880	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronic Equipment’s	Conducted Emission Test	EN 60255-26:2013, EN 60255-1
1881	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronic Equipment’s	Power Frequency Magnetic Field Immunity Test	IEC 60730-1
1882	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronic Equipment’s	Power Frequency Magnetic Field Immunity Test	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
1883	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronic Equipment’s	Radiated Immunity/ susceptibility Test	EN 60255 (Part 1)
1884	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical / Electronic Equipment’s	Surge Immunity Test	EN 61800-3
1885	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic apparatus intended for use on railway rolling stock	Electrostatic Discharge Immunity Test	IEC 62236-3-2
1886	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical and electronic equipment for Residential use	Radiated Emission Test	IS 14700 (Part 6/Sec 3)
1887	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement	Conducted Emission Test	EN 61326-2-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	120 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1888	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-4
1889	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-1
1890	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-2-1
1891	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-2-2
1892	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-1
1893	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-1
1894	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-2
1895	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-5
1896	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-6
1897	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-4
1898	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-6
1899	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-1
1900	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-1
1901	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-2
1902	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-1
1903	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-1
1904	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-3
1905	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-4
1906	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-5

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	121 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1907	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-5
1908	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-6
1909	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-1
1910	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-1
1911	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-2
1912	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-1
1913	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-2
1914	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-5
1915	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-6
1916	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-3
1917	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
1918	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-5
1919	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
1920	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
1921	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
1922	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-1
1923	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-1
1924	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-2
1925	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	122 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1926	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-1
1927	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-2
1928	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-5
1929	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2 of EN 61326-2-5
1930	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
1931	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
1932	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
1933	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
1934	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-1
1935	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-1
1936	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-2
1937	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-3
1938	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-1
1939	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-3
1940	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-5
1941	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-5
1942	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-3
1943	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-2
1944	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	123 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1945	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
1946	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
1947	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
1948	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
1949	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-1
1950	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-1
1951	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-1
1952	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-1
1953	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-2
1954	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-3
1955	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-5
1956	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-2-1
1957	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2 of EN 61326-2-5
1958	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
1959	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
1960	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
1961	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 10EN 61326-2-6
1962	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-2-2
1963	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-2-3

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 124 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1964	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-1
1965	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-2
1966	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-5
1967	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-1
1968	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-3
1969	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-4
1970	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-5
1971	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-1
1972	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-1
1973	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-2
1974	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-3
1975	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-1
1976	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-2
1977	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-3
1978	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-4
1979	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-5
1980	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-6
1981	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2 of EN 61326-2-5
1982	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of EN 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	125 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
1983	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-1
1984	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-4
1985	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-6
1986	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-1
1987	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-1
1988	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-2
1989	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-3
1990	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-1
1991	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-2
1992	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-3
1993	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-5
1994	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-4
1995	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-5
1996	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-3
1997	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-4
1998	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-6
1999	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-2
2000	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-1
2001	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	126 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2002	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-4
2003	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-3
2004	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2 of EN 61326-2-5
2005	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
2006	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
2007	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
2008	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-2
2009	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-3
2010	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
2011	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-1
2012	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-2-3
2013	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-1
2014	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-1
2015	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-5
2016	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-3
2017	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-1
2018	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2 of EN 61326-2-5
2019	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
2020	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	127 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2021	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
2022	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
2023	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-1
2024	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-1
2025	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-2
2026	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-3
2027	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-1
2028	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-1
2029	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-2
2030	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-3
2031	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-5
2032	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2 of EN 61326-2-5
2033	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-2
2034	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-3
2035	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity / susceptibility Test	EN 61326-1
2036	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-2-1
2037	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-1
2038	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-6
2039	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of EN 61326-2-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	128 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2040	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	CISPR 15
2041	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	EN 55015
2042	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	IS 6873 (Part 5)
2043	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted RF Immunity Test	EN 61547
2044	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted RF Immunity Test	IEC 61547
2045	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic Field Emission Test	CISPR 15
2046	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic field Emission Test	IS 6873 (Part 5)
2047	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	CISPR 15
2048	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	EN 55015
2049	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	IS 6873 (Part 5)
2050	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic Field Emission Test	EN 55015
2051	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61547
2052	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Power Frequency Magnetic Field Immunity Test	EN 61547
2053	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Power Frequency Magnetic Field Immunity Test	IEC 61547
2054	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Immunity/ susceptibility Test	EN 61547
2055	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Immunity/ susceptibility Test	IEC 61547
2056	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61547
2057	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61547
2058	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Surge Immunity Test	IEC 61547

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	129 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2059	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Surge Immunity Test	EN 61547
2060	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61547
2061	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Electrostatic Discharge Immunity Test	EN 61547
2062	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical lighting and similar equipment	Electrostatic Discharge Immunity Test	IEC 61547
2063	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Conducted Emission Test	Cl. No. 9.3.14 of EN 62052-11
2064	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Conducted Emission Test	Cl. No. 9.3.14 of IEC 62052-11
2065	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Conducted RF Immunity Test	Cl. No. 9.3.7 of EN 62052-11
2066	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Conducted RF Immunity Test	Cl. No. 9.3.7 of IEC 62052-11
2067	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.3.6 of EN 62052-11
2068	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.3.6 of IEC 62052-11
2069	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.3.13 of EN 62052-11
2070	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.3.13 of IEC 62052-11
2071	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Radiated Emission Test	Cl. No. 9.3.14 of EN 62052-11
2072	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Radiated Emission Test	Cl. No. 9.3.14 of IEC 62052-11
2073	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Radiated Immunity/ susceptibility Test	Cl. No. 9.3.4 & 9.3.5 of EN 62052-11
2074	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Surge Immunity Test	Cl. No. 9.3.9 of IEC 62052-11
2075	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Surge Immunity Test	Cl. No. 9.3.9 of EN 62052-11
2076	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Voltage dips and short interruption Test	Cl. No. 9.3.2 of EN 62052-11
2077	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Voltage dips and short interruption Test	Cl. No. 9.3.2 of IEC 62052-11

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	130 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2078	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Electrostatic Discharge Immunity Test	Cl. No. 9.3.3 of EN 62052-11
2079	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Electrostatic Discharge Immunity Test	Cl. No. 9.3.3 of IEC 62052-11
2080	ELECTRICAL- EMI / EMC TEST FACILITY	Electricity Metering Equipment	Radiated Immunity/ susceptibility Test	Cl. No. 9.3.4 & 9.3.5 of IEC 62052-11
2081	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	IEC 60601-1-2 :2014/A1
2082	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2083	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	EN 60601-1-2:2015/ A1
2084	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	IEC 60601-1-2 :2014/A1
2085	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2086	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	EN 60601-1-2:2015/ A1
2087	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	IEC 60601-1-2 :2014/A1
2088	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2089	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	EN 60601-1-2:2015/ A1
2090	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 60601-1-2:2015/ A1
2091	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60601-1-2 :2014/ A1
2092	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	EN 60601-1-2:2015/ A1
2093	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	EN 60601-1-2:2015/ A1
2094	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of ANSI/AAMI/IEC 60601-1-2: 2014/ A1
2095	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of EN 60601-1-2:2015/ A1
2096	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of IEC 60601-1-2 :2014/A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	131 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2097	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	IS 13450 : Part 1 : Sec 2
2098	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2099	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	EN 60601-1-2:2015/ A1
2100	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	ANSI/AAMI/IEC 60601-1-2:2014/A1
2101	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	EN 60601-1-2:2015/ A1
2102	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	IEC 60601-1-2 :2014/A1
2103	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	IS 13450 : Part 1 : SEC 2
2104	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	IS 13450 : Part 1 : SEC 2
2105	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 13450 : Part 1 : SEC 2
2106	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	IS 13450 : Part 1 : SEC 2
2107	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	IS 13450 : Part 1 : SEC 2
2108	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	IS 13450 : Part 1 : SEC 2
2109	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2110	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	EN 60601-1-2:2015/ A1
2111	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	IEC 60601-1-2 :2014/ A1
2112	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	IS 13450 : Part 1 : SEC 2
2113	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	IS 13450 : Part 1 : SEC 2
2114	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	IS 13450 : Part 1 : SEC 2
2115	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	132 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2116	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2117	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	EN 60601-1-2:2015/ A1
2118	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	IEC 60601-1-2 :2014/A1
2119	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	ANSI/AAMI/IEC 60601-1-2:2014/A1
2120	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	IEC 60601-1-2 :2014/A1
2121	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
2122	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	IEC 60601-1-2 :2014/ A1
2123	ELECTRICAL- EMI / EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	IEC 60601-1-2 :2014/A1
2124	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic control devices	Electrostatic Discharge Immunity Test	EN 60669-2-1
2125	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Conducted RF Immunity Test	Cl. No. 12.2.9.1 of IEC 60571
2126	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Conducted Emission Test	Cl. No. 12.2.9.2 of IEC 60571
2127	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Radiated Emission Test	Cl. No. 12.2.9.1 of IEC 60571
2128	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Radiated Immunity/susceptibility Test	Cl. No. 12.2.9.1 of IEC 60571
2129	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 12.2.8.3 of IEC 60571
2130	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Electrostatic Discharge Immunity Test	Cl. No. 12.2.8.2 of IEC 60571
2131	ELECTRICAL- EMI / EMC TEST FACILITY	Electronic equipment used on Rolling stock	Surge Immunity Test	Cl. No. 12.2.8.1 of IEC 60571
2132	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Conducted RF Immunity Test	BS EN 54-4
2133	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Radiated Immunity/ susceptibility Test	BS EN 54-4
2134	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	BS EN 54-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	133 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2135	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Surge Immunity Test	BS EN 54-4
2136	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Voltage dips, short interruption & voltage variations Immunity	BS EN 54-4
2137	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	BS EN 54-4
2138	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Electrostatic Discharge Immunity Test	BS EN 54-4
2139	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Pulse magnetic field immunity test	BS EN 54-4
2140	ELECTRICAL- EMI / EMC TEST FACILITY	Fire detection and fire alarm systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	BS EN 54-4
2141	ELECTRICAL- EMI / EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	EN 61000-4-13
2142	ELECTRICAL- EMI / EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	IEC 61000-4-13
2143	ELECTRICAL- EMI / EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	IS 14700 (Part 4/Sec 13)
2144	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	CISPR 14-1
2145	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	EN 55014-1
2146	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	CISPR 14-1
2147	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	EN 55014-1
2148	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	IS 6873 (PART 2/SEC 1)
2149	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	EN IEC 55014-2
2150	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	IS 6873 (Part 2/Sec 2)
2151	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	CISPR 14-1
2152	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	EN 55014-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	134 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2153	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	CISPR 14-1
2154	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	EN 55014-1
2155	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	IS 6873 (PART 2/SEC 1)
2156	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	CISPR 14-2
2157	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	CISPR 14-2
2158	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 55014-2
2159	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 6873 (Part 2/Sec 2)
2160	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	IS 6873 (PART 2/SEC 1)
2161	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	CISPR 14-2
2162	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	EN IEC 55014-2
2163	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	IS 6873 (Part 2/Sec 2)
2164	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	CISPR 14-1
2165	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	EN 55014-1
2166	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	IS 6873 (PART 2/SEC 1)
2167	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	CISPR 14-2
2168	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	EN IEC 55014-2
2169	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	IS 6873 (Part 2/Sec 2)
2170	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	IS 6873 (PART 2/SEC 1)
2171	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	CISPR 14-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 135 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2172	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	EN IEC 55014-2
2173	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	IS 6873 (Part 2/Sec 2)
2174	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	CISPR 14-2
2175	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	EN IEC 55014-2
2176	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	IS 6873 (Part 2/Sec 2)
2177	ELECTRICAL- EMI / EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	IS 6873 (Part 2/Sec 2)
2178	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Click measurement test	EN 61000-6-4
2179	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Click measurement test	IEC 61000-6-4
2180	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Conducted Emission Test	EN 61000-6-4
2181	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Radiated Emission Test	EN 61000-6-4
2182	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Radiated Emission Test	IEC 61000-6-4
2183	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Conducted Emission Test	IEC 61000-6-4
2184	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	EN 61000-6-2
2185	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	IEC 61000-6-2
2186	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	IS 14700 (Part 6/Sec 2)
2187	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61000-6-2
2188	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61000-6-2
2189	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 14700 (Part 6/Sec 2)
2190	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	EN 61000-6-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	136 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2191	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	IEC 61000-6-2
2192	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	IS 14700 (Part 6/Sec 2
2193	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	IEC 61000-6-2
2194	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	IS 14700 (Part 6/Sec 2)
2195	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61000-6-2
2196	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-6-2
2197	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 6/Sec 2)
2198	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	EN 61000-6-2
2199	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	IS 14700 (Part 6/Sec 2)
2200	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	EN 61000-6-2
2201	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	IEC 61000-6-2
2202	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	IS 14700 (Part 6/Sec 2)
2203	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	EN 61000-6-2
2204	ELECTRICAL- EMI / EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	IEC 61000-6-2
2205	ELECTRICAL- EMI / EMC TEST FACILITY	Information Technology Equipment (including Digital Apparatus)	Conducted Emission Test	ICES 003 Issue 7
2206	ELECTRICAL- EMI / EMC TEST FACILITY	Information Technology Equipment (including Digital Apparatus)	Radiated Emission Test	ICES 003 Issue 7
2207	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted Emission Test	Cl. No. J.10.12.3 of IEC 61439-1
2208	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted RF Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2209	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Radiated Emission Test	Cl. No. J.10.12.2 of EN 61439-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	137 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2210	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Radiated Emission Test	Cl. No. J.10.12.3 of IEC 61439-1
2211	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted RF Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2212	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Power Frequency Magnetic Field Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2213	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Power Frequency Magnetic Field Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2214	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Voltage dips, short interruption & voltage variations Immunity	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2215	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Voltage dips, short interruption & voltage variations Immunity	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2216	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted Emission Test	Cl. No. J.10.12.2 of EN 61439-1
2217	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Surge Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2218	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Surge Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2219	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted Emission Test	IS/IEC 61439 : Part 1
2220	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted RF Immunity Test	IS/IEC 61439 : Part 1
2221	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Power Frequency Magnetic Field Immunity Test	IS/IEC 61439 : Part 1
2222	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Radiated Emission Test	IS/IEC 61439 : Part 1
2223	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Surge Immunity Test	IS/IEC 61439 : Part 1
2224	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61439 : Part 1
2225	ELECTRICAL- EMI / EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted Emission Test	IS/IEC 61439 : Part 1
2226	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	EN IEC 61204-3
2227	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IEC 61204-3
2228	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IS/IEC 61204 : Part 3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	138 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2229	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	EN IEC 61204-3
2230	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	IEC 61204-3
2231	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	IS/IEC 61204 : Part 3
2232	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 61204-3
2233	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61204-3
2234	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 61204 : Part 3
2235	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrostatic Discharge Immunity Test	IEC 61204-3
2236	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrostatic Discharge Immunity Test	IS/IEC 61204 : Part 3
2237	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	EN IEC 61204-3
2238	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	IEC 61204-3
2239	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	IS/IEC 61204 : Part 3
2240	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	EN IEC 61204-3
2241	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	IEC 61204-3
2242	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	IS/IEC 61204 : Part 3
2243	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	EN IEC 61204-3
2244	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	IEC 61204-3
2245	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	IS/IEC 61204 : Part 3
2246	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	EN IEC 61204-3
2247	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	IEC 61204-3

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 139 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2248	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	IS/IEC 61204 : Part 3
2249	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	EN IEC 61204-3
2250	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	IEC 61204-3
2251	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	IS/IEC 61204 : Part 3
2252	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	EN IEC 61204-3
2253	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	IEC 61204-3
2254	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	IS/IEC 61204 : Part 3
2255	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	EN IEC 61204-3
2256	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	IEC 61204-3
2257	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 61204 : Part 3
2258	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	EN IEC 61204-3
2259	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	IEC 61204-3
2260	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61204 : Part 3
2261	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN IEC 61204-3
2262	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 61204-3
2263	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 61204 : Part 3
2264	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	EN IEC 61204-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	140 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2265	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IEC 61204-3
2266	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IS/IEC 61204 : Part 3
2267	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2268	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2269	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Radiated Immunity / Susceptibility Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2270	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Radiated Immunity/ susceptibility Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
2271	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrostatic Discharge Immunity Test	Cl. No. J.10.12.1 & Table J.1 of EN 61439-1
2272	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrostatic Discharge Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
2273	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Conducted RF Immunity Test	IEC 60947-1:2020, IEC 60947-3
2274	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Magnetic Field Emission Test	IEC 60947-1:2020, IEC 60947-3
2275	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Radiated Emission Test	IEC 60947-1:2020, IEC 60947-3
2276	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Surge Immunity Test	IEC 60947-1:2020, IEC 60947-3
2277	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage dips, short interruption & voltage variations Immunity	IEC 60947-1:2020, IEC 60947-3
2278	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60947-1:2020, IEC 60947-3
2279	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Harmonics and interharmonics low frequency test	IEC 60947-1
2280	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Radiated Immunity/ susceptibility Test	IEC 60947-1:2020, IEC 60947-3
2281	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage change, Fluctuation & Flicker measurement Test	IEC 60947-1:2020, IEC 60947-3EC 60947-3
2282	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60947-1:2020, IEC 60947-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	141 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2283	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Conducted Emission Test	IEC 60947-1:2020, IEC 60947-3
2284	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60947-1:2020, IEC 60947-3
2285	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Electrostatic Discharge Immunity Test	IEC 60947-1:2020, IEC 60947-3
2286	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Harmonic Current Emission	IEC 60947-1:2020, IEC 60947-3
2287	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear	Harmonics and interharmonics low frequency test	IEC 60947-1
2288	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 61439 : Part 1
2289	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Electrostatic Discharge Immunity Test	IS/IEC 61439 : Part 1
2290	ELECTRICAL- EMI / EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Radiated Immunity/ susceptibility Test	IS/IEC 61439 : Part 1
2291	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radio communication equipment	Electrostatic Discharge Immunity Test	Cl. No.10.9 of EN 60945
2292	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted Emission Test	Cl. No. 9.2 of IEC 60945
2293	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted RF Immunity Test	Cl. No. 10.3 of EN 60945
2294	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Emission Test	Cl. No. 9.3 of EN 60945
2295	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted Emission Test	Cl. No. 9.2 of EN 60945
2296	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted RF Immunity Test	Cl. No. 10.3 of IEC 60945
2297	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 10.5 of EN 60945
2298	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 10.5 of IEC 60945
2299	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Immunity/ susceptibility Test	Cl. No. 10.4 of IEC 60945
2300	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Immunity/ susceptibility Test	Cl. No. 10.4 of EN 60945
2301	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Voltage dips, short interruption & voltage variations Immunity	Cl .No. 10.7 & 10.8 of IEC 60945

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	142 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2302	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 10.7 and 10.8 of EN 60945
2303	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Electrostatic Discharge Immunity Test	Cl. 10.9 of IEC 60945
2304	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Emission Test	Cl. No. 9.3 of IEC 60945
2305	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Surge Immunity Test	Cl. No. 10.6 of EN 60945
2306	ELECTRICAL- EMI / EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Surge Immunity Test	Cl. No. 10.6 of IEC 60945
2307	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	EN 60255-1:2010, EN 60255-26
2308	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IEC 60255-1:2009, IEC 60255-26
2309	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	IEC 60255-1:2009, IEC 60255-26
2310	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	EN 60255-26:2013, EN 60255-1
2311	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	IEC 60255-1:2009, IEC 60255-26
2312	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	EN 60255-26:2013, EN 60255-1
2313	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	IEC 60255-1:2009, IEC 60255-26
2314	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	EN 60255-26:2013, EN 60255-1
2315	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 60255-26:2013, EN 60255-1
2316	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 60255-1:2009, IEC 60255-26
2317	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	IEC 60255-1:2009, IEC 60255-26
2318	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	EN 60255-26:2013, EN 60255-1:
2319	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 60255-1:2009, IEC 60255-26
2320	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	EN 60255-26:2013,EN 60255-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	143 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2321	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IS/IEC 60255 : Part 26:2013, IS/IEC 60255 (Part 1)
2322	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2323	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2324	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2325	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2326	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2327	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2328	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	IEC 60255-26:2013, IEC 60255-1
2329	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2330	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2331	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2332	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	EN 60255-26:2013, EN 60255-1
2333	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
2334	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	EN 60255-26:2013, EN 60255-1
2335	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	IEC 60255-1:2009, IEC 60255-26
2336	ELECTRICAL- EMI / EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	EN 60255-26:2013, EN 60255-1
2337	ELECTRICAL- EMI / EMC TEST FACILITY	Military and Defense Electrical and Electronics Products	Electrostatic Discharge Immunity Test	MIL 461G (CS 118)
2338	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	CISPR 32:2015+AMD1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	144 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2339	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	EN 55032:2015+A11
2340	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	IS/CISPR 35
2341	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	IS/CISPR 35
2342	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment	Electrostatic Discharge Immunity Test	EN 55035
2343	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	CISPR 35
2344	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	EN 55035
2345	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Electrical Fast Transient (EFT)/ Burst Immunity Test	CISPR 35
2346	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 55035
2347	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Power Frequency Magnetic Field Immunity Test	CISPR 35
2348	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Power Frequency Magnetic Field Immunity Test	EN 55035
2349	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment's	Radiated Emission Test	CISPR 32:2015+A1
2350	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipment's	Radiated Emission Test	EN 55032:2015+A11
2351	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Radiated Immunity/ susceptibility Test	EN 55035
2352	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Voltage dips, short interruption & voltage variations Immunity	CISPR 35
2353	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Voltage dips, short interruption & voltage variations Immunity	EN 55035
2354	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	IS/CISPR 35
2355	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Radiated Immunity/ susceptibility Test	CISPR 35
2356	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Electrostatic Discharge Immunity Test	CISPR 35
2357	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Surge Immunity Test	CISPR 35

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	145 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2358	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipment's	Surge Immunity Test	EN 55035
2359	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipments	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/CISPR 35
2360	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipments	Electrostatic Discharge Immunity Test	IS/CISPR 35
2361	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipments	Power Frequency Magnetic Field Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
2362	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia equipments	Radiated Emission Test	IS/CISPR 35
2363	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipments	Radiated Immunity/ susceptibility Test	IS/CISPR 35
2364	ELECTRICAL- EMI / EMC TEST FACILITY	Multimedia Equipments	Surge Immunity Test	IS/CISPR 35
2365	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	EN 62920:2017/A1
2366	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	IEC 62920:2017+AMD1
2367	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	IS/IEC 62920
2368	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic Field Emission Test	EN 62920:2017/A1
2369	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic Field Emission Test	IEC 62920:2017+AMD1
2370	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic Field Emission Test	IS/IEC 62920
2371	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	EN 62920:2017/A1
2372	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	IEC 62920:2017+AMD1:
2373	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	IS/IEC 62920
2374	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	IEC 62920:2017+AMD1
2375	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	IS/IEC 62920
2376	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	EN 62920:2017/A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	146 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2377	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	IEC 62920:2017+AMD1
2378	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 62920:2017/A1
2379	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 62920:2017+AMD1
2380	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 62920
2381	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	IS/IEC 62920
2382	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	EN 62920:2017/A1
2383	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	IEC 62920:2017+AMD1
2384	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage change, Fluctuation & Flicker measurement Test	EN 62920:2017/A1
2385	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage change, Fluctuation & Flicker measurement Test	IEC 62920:2017+AMD1
2386	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 62920
2387	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	EN 62920:2017/A1
2388	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	IEC 62920:2017+AMD1
2389	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	IS/IEC 62920
2390	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 62920:2017/A1
2391	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 62920:2017+AMD1
2392	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 62920
2393	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	EN 62920:2017/A1
2394	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	IEC 62920:2017+AMD1
2395	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	IS/IEC 62920

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	147 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2396	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Harmonic Current Emission	EN 62920:2017/A1
2397	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Harmonic Current Emission	IEC 62920:2017+AMD1
2398	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Harmonic Current Emission	IS/IEC 62920
2399	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	IS/IEC 62920
2400	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 62920
2401	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	EN 62920:2017/A1
2402	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN 62920:2017/A1
2403	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 62920:2017+AMD1
2404	ELECTRICAL- EMI / EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 62920
2405	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	Cl. No. 9.4 of EN 61131-2
2406	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
2407	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	Cl. No. 9.10 of EN 61131-2
2408	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
2409	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.8 of EN 61131-2
2410	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	Cl. 7.3, Table 36 of IEC 61131-2
2411	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.7 of EN 61131-2
2412	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	Cl. No. 9.3 of EN 61131-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 148 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2413	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	Cl. No. 9.6 of EN 61131-2
2414	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	Cl. 7.3, Table 36 of IEC 61131-2
2415	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 7.3, Table 46 of IEC 61131-2
2416	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 9.12 of EN 61131-2
2417	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	IS 14254 : Part 2
2418	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	IS 14254 : Part 2
2419	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14254 : Part 2
2420	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	Cl. No. 7.3, Table 36 of IEC 61131-2
2421	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	Cl. No. 9.5 of EN 61131-2
2422	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	IS 14254 : Part 2
2423	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	IS 14254 : Part 2
2424	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	Cl. No. 7.3, Table 46 of IEC 61131-2:
2425	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	IS 14254 : Part 2
2426	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	IS 14254 : Part 2
2427	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Surge Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
2428	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Surge Immunity Test	Cl. No. 9.9 of EN 61131-2
2429	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	IS 14254 : Part 2
2430	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	Cl. No. 7.3, Table 46 of IEC 61131-2
2431	ELECTRICAL- EMI / EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	IS 14254 : Part 2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	149 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2432	ELECTRICAL- EMI / EMC TEST FACILITY	Radiated Immunity/ susceptibility Test	Telecommunication network equipment	GR 1089 Issue 4
2433	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	EN 61000-6-1
2434	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	IEC 61000-6-1
2435	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	IS 14700 (Part 6/Sec 1)
2436	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61000-6-1
2437	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61000-6-1
2438	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61000-6-1
2439	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 14700 (Part 6/Sec 1)
2440	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	EN 61000-6-1
2441	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	IEC 61000-6-1
2442	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	IS 14700 (Part 6/Sec 1)
2443	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Radiated Immunity/ susceptibility Test	EN 61000-6-1
2444	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-6-1
2445	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 6/Sec 1)
2446	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Radiated Immunity/ susceptibility Test	IEC 61000-6-1
2447	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	IS 14700 (Part 6/Sec 1)
2448	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	EN 61000-6-1
2449	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	IEC 61000-6-1
2450	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	IS 14700 (Part 6/Sec 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	150 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2451	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	EN 61000-6-1
2452	ELECTRICAL- EMI / EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	IEC 61000-6-1
2453	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Conducted RF Immunity Test	BS EN 61009-1+A13
2454	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61009-1+A13
2455	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	BS EN 61009-1+A13
2456	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	BS EN 61009-1+A13
2457	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Conducted RF Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
2458	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
2459	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
2460	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
2461	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrostatic Discharge Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
2462	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 29 of IS 12640 (Part 2)
2463	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	Table 29 of IS 12640 (Part 2)
2464	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	Table 29 of IS 12640 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	151 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2465	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Electrostatic Discharge Immunity Test	Table 29 of IS 12640 (Part 2)
2466	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
2467	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
2468	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	Table 23 of IS 12640 (Part 1)
2469	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	Table 29 of IS 12640 (Part 2)
2470	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
2471	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 23 of IS 12640 (Part 1)
2472	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	Table 23 of IS 12640 (Part 1)
2473	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	BS EN 61008-1+A12
2474	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61008-1+A12
2475	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	BS EN 61008-1+A12
2476	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
2477	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	Table 23 of IS 12640 (Part 1)
2478	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	BS EN 61008-1+A12

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	152 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2479	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrostatic Discharge Immunity Test	Table 23 of IS 12640 (Part 1)
2480	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrostatic Discharge Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
2481	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	Table 5 of IEC 61543:1995 +A1:2004 +A2
2482	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 5 of IEC 61543:1995+A1:2004 +A2
2483	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	Table 5 of IEC 61543:1995+A1:2004 +A2
2484	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	BS EN 61543
2485	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	IS 14614
2486	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61543
2487	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14614
2488	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	IS 14614
2489	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	BS EN 61543
2490	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	IS 14614
2491	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	BS EN 61543
2492	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	IS 14614
2493	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61008-1+A12
2494	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61009-1+A13
2495	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61543
2496	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	Table 6 of IEC 61543:1995+A1:2004 +A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	153 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2497	ELECTRICAL- EMI / EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	Table 5 of IEC 61543:1995+ A1:2004 +A2
2498	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Conducted Emission Test	Cl. No. 13.4.8 of EN 50155
2499	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Conducted RF Immunity Test	Cl. No. 13.4.8 of EN 50155
2500	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Radiated Emission Test	Cl. No. 13.4.8 of EN 50155
2501	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 13.4.8 of EN 50155
2502	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Radiated Immunity/ susceptibility Test	Cl. No. 13.4.8 of EN 50155
2503	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Surge Immunity Test	Cl. No. 13.4.8 of EN 50155
2504	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Electrostatic Discharge Immunity Test	Cl. No. 13.4.8 of EN 50155
2505	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Radiated Emission Test	IEC 62236-3-2
2506	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Conducted Emission Test	IEC 62236-3-2
2507	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Conducted RF Immunity Test	IEC 62236-3-2
2508	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 62236-3-2
2509	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Radiated Immunity/ susceptibility Test	IEC 62236-3-2
2510	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Surge Immunity Test	IEC 62236-3-2
2511	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock Apparatus	Electrostatic Discharge Immunity Test	EN 50121-3-2: 2016+ A1
2512	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus	Radiated Emission Test	Cl. No. 5 of EN 50121-3-2:2016 +A1
2513	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus Conducted Emission Test	Conducted Emission Test	EN 50121-3-2: 2016+ A1
2514	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 50121-3-2: 2016 +A1
2515	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus	Conducted RF Immunity Test	EN 50121-3-2: 2016+ A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	154 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2516	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus	Radiated Immunity/ susceptibility Test	EN 50121-3-2: 2016 +A1
2517	ELECTRICAL- EMI / EMC TEST FACILITY	Rolling stock-Apparatus	Surge Immunity Test	EN 50121-3-2: 2016 +A1
2518	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Conducted Emission Test	TEC28822203:2022, TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	155 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2519	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Conducted RF Immunity Test	TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	156 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2520	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Electrostatic Discharge Immunity Test	TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	157 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2521	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Immunity to AC Voltage Dips and Short Interruptions	TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	158 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2522	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Immunity to DC Voltage Dips and Short Interruptions	TEC28822203:2022, TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:20

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	159 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2523	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Radiated Emission Test	TEC28822203:2022, TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:20

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	160 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2524	ELECTRICAL- EMI / EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter.	Surge Immunity Test	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106
2525	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Conducted RF Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
2526	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
2527	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Radiated Emission Test	Cl. No. 5 of EN 50121-4:2016 +A1
2528	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Radiated Immunity/ susceptibility Test	Cl. No. 6.2 of EN 50121-4:2016+A1
2529	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Electrostatic Discharge Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
2530	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Surge Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
2531	ELECTRICAL- EMI / EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Conducted Emission Test	Cl. No. 5 of EN 50121-4:2016+A1
2532	ELECTRICAL- EMI / EMC TEST FACILITY	Signalling and telecommunications apparatus for Railway applications	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	161 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2533	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	Cl. No. 26.3.2 & 26.3.3 of IEC 60669-2-1
2534	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	EN 60669-2-1
2535	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	Cl. No. 26.2.7 of IEC 60669-2-1
2536	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	EN 60669-2-1
2537	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 26.2.4 of IEC 60669-2-1
2538	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 60669-2-1
2539	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	Cl. No. 26.3.1 of IEC 60669-2-1
2540	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	EN 60669-2-1
2541	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Power Frequency Magnetic Field Immunity Test	Cl. No. 26.2.8 of EN 60669-2-1
2542	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Power Frequency Magnetic Field Immunity Test	Cl. No. 26.2.8 of IEC 60669-2-1
2543	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	Cl. No. 26.3.4 of IEC 60669-2-1
2544	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	EN 60669-2-1
2545	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/ susceptibility Test	EN 60669-2-1
2546	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/susceptibility Test	Cl. No. 26.2.6 of IEC 60669-2-1
2547	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 26.3.1 of IEC 60669-2-1
2548	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	EN 60669-2-1
2549	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 26.2.2 of IEC 60669-2-1
2550	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	EN 60669-2-1
2551	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	IS/IEC 60669 : Part 2 : Sec 1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 162 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2552	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
2553	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
2554	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	EN 60669-2-1
2555	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
2556	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	IS/IEC 60669 : Part 2 : Sec 1
2557	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	IS/IEC 60669 : Part 2 : Sec 1
2558	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/ susceptibility Test	IS/IEC 60669 : Part 2 : Sec 1
2559	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	EN 60669-2-1
2560	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
2561	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 60669 : Part 2 : Sec 1
2562	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60669 : Part 2 : Sec 1
2563	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	IS/IEC 60669 : Part 2 : Sec 1
2564	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	Cl. No. 26.2.5 of IEC 60669-2-1
2565	ELECTRICAL- EMI / EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	Cl. No. 26.2.3 of IEC 60669-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	163 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2566	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server, 2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network,Mobile User Equipment, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Electrostatic Discharge Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	164 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2567	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Conducted RF Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108:202

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	165 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2568	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Electrical Fast Transient (EFT)/ Burst Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	166 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2569	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Immunity to AC Voltage Dips and Short Interruptions	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	167 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2570	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Immunity to DC Voltage Dips and Short Interruptions	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	168 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2571	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Surge Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	169 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2572	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network,Mobile User Equipment, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Immunity to Radiated RF	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	170 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2573	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments -Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Conducted Emission Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	171 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2574	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication Equipments -Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Radiated Emission Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110
2575	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	EN 300386
2576	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	ETSI EN 300 386
2577	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	ETSI EN 301 489-1
2578	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	GR 1089 Issue 4
2579	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	IS 14700 (Part 6/Sec 3)
2580	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	EN 300386
2581	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	ETSI EN 300 386
2582	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	ETSI EN 301 489-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	172 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2583	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	GR 1089 Issue 4
2584	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Harmonic Current Emission	ETSI EN 300 386
2585	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Harmonic Current Emission	ETSI EN 301 489-1
2586	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	EN 300386
2587	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	ETSI EN 300 386
2588	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	ETSI EN 301 489-1
2589	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	GR 1089 Issue 4
2590	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	80MHz to 1GHz (Upto 30V/m) , 1GHz to 6GHz (Upto 20V/m)	ETSI EN 301 489-1
2591	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 300 386
2592	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 300386
2593	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 301 489-1
2594	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	GR 1089 Issue 4
2595	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Radiated Immunity/ susceptibility Test	ETSI EN 300 386
2596	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	ETSI EN 300 386
2597	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	ETSI EN 301 489-1
2598	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	GR 1089 Issue 4
2599	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	EN 300386
2600	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	ETSI EN 300 386
2601	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	ETSI EN 301 489-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	173 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2602	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	ETSI EN 300 386
2603	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	GR 1089 Issue 4
2604	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	EN 300 386
2605	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	ETSI EN 300 386
2606	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	ETSI EN 301 489-1
2607	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	GR 1089 Issue 4
2608	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	EN 300386
2609	ELECTRICAL- EMI / EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	ETSI EN 301 489-1
2610	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Conducted RF Immunity Test	IEC 60870-2-1
2611	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Radiated Emission Test	IEC 60870-2-1
2612	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Surge Immunity Test	IEC 60870-2-1
2613	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60870-2-1
2614	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Radiated Immunity/ susceptibility Test	IEC 60870-2-1
2615	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage change, Fluctuation & Flicker measurement Test	IEC 60870-2-1
2616	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage dips, short interruption & voltage variations Immunity	IEC 60870-2-1
2617	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60870-2-1
2618	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Magnetic Field Emission Test	IEC 60870-2-1
2619	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Conducted Emission Test	IEC 60870-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	174 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2620	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60870-2-1
2621	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Electrostatic Discharge Immunity Test	IEC 60870-2-1
2622	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Harmonic Current Emission	IEC 60870-2-1
2623	ELECTRICAL- EMI / EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Pulse magnetic field immunity test	IEC 60870-2-1
2624	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Conducted Emission Test	Cl. No. 6.11 of IS 16444 (Part 2)
2625	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
2626	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Radiated Immunity/ susceptibility Test	Cl. No. 6.11 of IS 16444 (Part 2)
2627	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 6.11 of IS 16444 (Part 2)
2628	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Surge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
2629	ELECTRICAL- EMI / EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Electrostatic Discharge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
2630	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	EN 62040-2
2631	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	IEC 62040-2
2632	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	IS 16242 (Part 2)
2633	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	EN 62040-2
2634	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	IEC 62040-2
2635	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	IS 16242 (Part 2)
2636	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	EN 62040-2
2637	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	IEC 62040-2
2638	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	IS 16242 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	175 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2639	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	EN 62040-2
2640	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	IEC 62040-2
2641	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	IS 16242 (Part 2)
2642	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	EN 62040-2
2643	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	IEC 62040-2
2644	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	IS 16242 (Part 2)
2645	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 62040-2
2646	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 62040-2
2647	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 16242 (Part 2)
2648	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	EN 62040-2
2649	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	IEC 62040-2
2650	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	IS 16242 (Part 2)
2651	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Immunity/ susceptibility Test	IS 16242 (Part 2)
2652	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Immunity/ susceptibility Test	EN 62040-2
2653	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Immunity/ susceptibility Test	IEC 62040-2
2654	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Surge Immunity Test	IS 16242 (Part 2)
2655	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Surge Immunity Test	EN 62040-2
2656	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage change, Fluctuation & Flicker measurement Test	IS 16242 (Part 2)
2657	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage dips, short interruption & voltage variations Immunity	EN 62040-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	176 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2658	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage dips, short interruption & voltage variations Immunity	IS 16242 (Part 2)
2659	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS) Surge Immunity Test	Surge Immunity Test	IEC 62040-2
2660	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	EN 62040-2
2661	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	IEC 62040-2
2662	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	IS 16242 (Part 2)
2663	ELECTRICAL- EMI / EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage change, Fluctuation & Flicker measurement Test	EN 62040-2
2664	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	EN 50125-3
2665	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	"MIL STD 810F Method 501.4
2666	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	"MIL STD 810G Method 501.5
2667	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	BS EN 50125-1
2668	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	BS EN 50125-2
2669	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	IEC 62498-1
2670	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	IS 15908
2671	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	IS 2175
2672	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	JSS 55555 Test No.17

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 177 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2673	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	JSS-0256-01, Test Number : 1
2674	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	MIL STD 202G Method 108A
2675	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	MIL-HDBK-310
2676	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	MIL-STD-883K w/Change2 (Method 1005.11, 1006, 1008.2, 1015.12)"
2677	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	QM 333 Test No.2
2678	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	High Temperature Test	ISO16750-4 Sec 5.1.2,
2679	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Cold Test	IEC 60068-2-1
2680	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Cold Test	IEC 60571 cl.no. 12.2.4 & 12.2.15
2681	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Composite Temperature /Humidity Cyclic Test	IEC 60068-2-38
2682	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	CORROSION (SALT/SALT FOG) TEST	JSS 55555, Test number 9
2683	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Corrosion Salt test	JSS-0256-01, Rev 1 Test Number 12, Procedure 1, 3.3.1
2684	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	BS EN 50125-1
2685	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	EN 50125-2
2686	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	EN 50125-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	178 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2687	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	IS 9000-5-1 and 2
2688	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	IEC 60068-2-30 Clause 7.3
2689	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat (Cyclic) Test	IEC 60571 cl. no. 12.2.6
2690	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	DAMP HEAT (MOISTURE RESISTANCE) TEST	JSS 50101 TEST NUMBER-6
2691	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat Cyclic Test	JSS 50101 Test No.5
2692	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat Cyclic Test	VW 80000 clause 11.8 & 11.9
2693	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	BS EN 50125-1
2694	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	EN 50125-2
2695	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	EN 50125-3
2696	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	IS 9000 (Part 4),
2697	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	ISO 16750 (Part-4) Sec 5.7
2698	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp heat Steady state test	JSS 50101 Test No.7
2699	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat test	IEC 60068-2-78
2700	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat test (Steady state)	IEC 60068-2-67+A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	179 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2701	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat test	BS EN IEC 61851-1
2702	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat test	JSS 55555, Test No.10
2703	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Damp Heat test	QM 333 (Test No.3)
2704	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Dry Heat Test	"IS 9000 (Part 3/Sec-1 to 5)
2705	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Dry Heat Test	IEC 60068-2-2
2706	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Dry Heat Test	IEC 60571 cl.no. 12.2.5
2707	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Flammability Test (Test flames – 50 W & 500W horizontal and vertical flame test)	IEC 60695-11-10:2013,IEC 60695-11-20:2015, IEC 60695-11-3:2012, IEC 60695-11-4:2011, UL 94
2708	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Free Fall	ISO 16750-3 (Ed.3) Cl. 4.3
2709	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Glow wire test	"IS 11000(Part 2/Sec1)
2710	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Glow wire test	IEC 60695-2-10, IEC 60695-2-12," IEC 60695-2-13
2711	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Hot wire ignition Test	IEC 60695-2-20:2021, UL746
2712	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Humidity Heat Cyclic test	ISO 16750 (Part-4) Sec 5.6
2713	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Humidity test	MIL STD 810F, method 507.4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	180 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2714	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Humidity Test	MIL STD 810G Method 507.5
2715	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Insulation Resistance	ISO 16750-2 (Ed.4) Cl. 4.12
2716	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	EN 50125-3
2717	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	BS EN 50125-2
2718	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	BS EN 50125-1
2719	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	ISO 16750-4 Sec 5.1.1
2720	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	JSS 0256-01, Rev 1 Test number 2
2721	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	JSS 50101 Test No.21
2722	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	JSS 55555 Revision 03 Test No.20
2723	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	MIL STD 810F Method 502.4 procedure I & II
2724	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	MIL STD 810G, Procedure 1,2, Method 502.5
2725	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	MIL STD 810H, Method 502.7, Procedure I & II
2726	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	QM 333 Test No.1
2727	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Low Temperature Test	IS/IEC 60068-2-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 181 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2728	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Moisture Resistance	MIL-STD-202H_Consolidated (Method 106)
2729	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Moisture Resistance	MIL-STD-883K w/Change2 (Method 1004.7)
2730	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Moisture Resistance	MIL STD 202G Method 106G
2731	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Needle flame test	IEC 60695-11-5
2732	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Needle flame test	IS11000(Part 2/Sec 2)
2733	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Proof and the comparative tracking indices Test	IEC 60112:2020, IS 2824
2734	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Fog Test	MIL STD 810F, Method 509.4
2735	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Fog Test	MIL STD 810H: Method 509.7
2736	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Fog test	MIL_STD- 810G- Method 509.5-II
2737	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Mist test	IEC 60068-2-11
2738	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Mist test	IEC 60068-2-52
2739	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Mist Test	IEC 60571 Clause No 12.2.11
2740	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Mist Test	IS 9000 (Part 11) Procedure 1
2741	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray (Fog) test	RTCA DO-160F section 14

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	182 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2742	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	EN 50125-2
2743	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray Test	ASTM B117
2744	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	BS EN 50125-1
2745	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	EN 50125-3
2746	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	IS 9844
2747	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt Spray Test	ISO 16750 (Part-4) :2010 Sec 5.5.1 & 5.5.2,
2748	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	ISO 9227
2749	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray test	JIS Z 2371
2750	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Salt spray Test	QM 333 Test No.9 ,
2751	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	EN 50125-1,EN 50125-2,EN 50125-3
2752	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	IEC 60068-2-27
2753	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	IEC 60571 cl.no 12.2.12,
2754	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	IEC 61373
2755	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	IS 9000 (Part 7/Sec1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	183 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2756	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	ISO 16750-3 clause 4.2,
2757	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	JSS 0256-01 (Test Number 18),
2758	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	JSS 50101 (Test Number 12),
2759	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	JSS 55555 (Test Number 24),
2760	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	MIL-STD-202H_Consolidated (Methos 213),
2761	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Shock Test	MIL-STD-883K w/Change2(Method 2002.5)
2762	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Temperature cycling Test	"IEC 60068-2-14 Clause 7 & 8, "
2763	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Temperature cycling Test	IS 9000 (Part 14)
2764	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Temperature cycling Test	ISO 16750 (Part-4) :2010 Sec 5.3,
2765	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Temperature cycling Test	JSS 50101 Test No. 20 ,
2766	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	TEMPERATURE CYCLING TEST	JSS 55555 Test No.22,
2767	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Temperature step test	ISO 16750 (Part-4) Sec 5.2
2768	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random	MIL-STD-883K w/Change2(Method 2026)
2769	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 60068-2-64+ Amd1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	184 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2770	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	EN 50125-1,EN 50125-2,EN 50125-3
2771	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 60068-2-55
2772	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 60068-2-80
2773	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 60571 clause 12.2.12,
2774	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 61373
2775	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IEC 62498-1
2776	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	IS 9000 (Part 7 / Sec 6)
2777	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	ISO 16750-3 clause 4.1
2778	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	JSS 50101,Test number 24
2779	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	JSS 55555, Test Number 28
2780	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	JSS-0256-01, Test Number : 15
2781	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	MIL-HDBK-2164A,
2782	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	MIL-STD-202H_Consolidated (Method 214),
2783	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Random)	MIL-STD-810G_CHG1 (Method 514.7),

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 185 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2784	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	"MIL-STD-883k w/Change 2 (Method 2005.2, 2006.1,2007.3)"
2785	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	ASTM 999-08, Method A1,
2786	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	ASTM D 7386-16,Schedule D,
2787	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	ASTM D4169,schedule D,E,F,
2788	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	BS 6134
2789	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	IEC 60068-2-6
2790	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	IS 14257
2791	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	IS 15908
2792	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	IS 2175
2793	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	IS/IEC 60068-2-6
2794	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	ISO 16750-3, clause 4.1,
2795	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	ISO 2247
2796	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	JSS 0256-01 (Test Number 15),
2797	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	JSS 50101 (Method 23),

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	186 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2798	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	MIL STD 810G, Method 514.6,
2799	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	MIL STD 810H, Method 514.8,
2800	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	MIL STD-810F, Section 514.5,
2801	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	MIL-PRF-28800F class 3, clause 4.5.5.3,
2802	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Vibration Test (Sinusoidal)	RTCA DO-160F,Section 8.0,
2803	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical/Automotive Components & Sub –Assemblies	Withstand Voltage Test	ISO 16750-2 (Ed.4) Cl. 4.11
2804	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Product	SHOCK TEST	Cl no. 7, 8 & 10 of IS 9000(Part 7/Sec 1)
2805	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Product	Vibration (Sinusoidal) Test	Cl. no. 8, 9 & 12 of IS 9000(Part VIII)
2806	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Cold Test	Cl. No. 6 of IEC 60068-2-1
2807	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Cold Test	Cl. No. 9 of IS 9000 (Part 2/Sec 1 to 4)
2808	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Dry Heat Test	Cl. No. 6 of IEC 60068-2-2
2809	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Dry Heat Test	Cl. No. 9 of IS 9000(Part 3/Sec 1 to 5)
2810	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 5)	Cl. No. 5 of IEC 60529
2811	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 0)	Cl. No. 8 of IS/IEC 60034 (P-5)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 187 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2812	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 1)	Cl. No. 8 of IS/IEC 60034 (P-5)
2813	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 2)	Cl. No. 8 of IS/IEC 60034 (P-5)
2814	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 3)	Cl. No. 8 of IS/IEC 60034 (P-5)
2815	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 4)	Cl. No. 8 of IS/IEC 60034 (P-5)
2816	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 5)	Cl. No. 8 of IS/IEC 60034 (P-5)
2817	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (First characteristic numeral 6)	Cl. No. 8 of IS/IEC 60034 (P-5)
2818	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 0)	Cl. No. 9 of IS/IEC 60034 (P-5)
2819	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 1)	Cl. No. 9 of IS/IEC 60034 (P-5)
2820	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 2)	Cl. No. 9 of IS/IEC 60034 (P-5)
2821	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 3)	Cl. No. 9 of IS/IEC 60034 (P-5)
2822	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 4)	Cl. No. 9 of IS/IEC 60034 (P-5)
2823	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 5)	Cl. No. 9 of IS/IEC 60034 (P-5)
2824	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 6)	Cl. No. 9 of IS/IEC 60034 (P-5)
2825	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 7)	Cl. No. 9 of IS/IEC 60034 (P-5)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	188 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2826	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection Products by Enclosures (Second characteristic numeral 8)	Cl. No. 9 of IS/IEC 60034 (P-5)
2827	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 0)	Cl. No. 5 of IEC 60529
2828	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 0)	Cl. No. 5 of IS/IEC 60529
2829	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 1)	Cl. No. 5 of IEC 60529
2830	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 1)	Cl. No. 5 of IS/IEC 60529
2831	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 2)	Cl. No. 5 of IEC 60529
2832	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 2)	Cl. No. 5 of IS/IEC 60529
2833	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 3)	Cl. No. 5 of IEC60529
2834	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 3)	Cl. No. 5 of IS/IEC 60529
2835	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 4)	Cl. No. 5 of IEC 60529
2836	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 4)	Cl. No. 5 of IS/IEC 60529
2837	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 5)	Cl. No. 5 of IS/IEC 60529
2838	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 6)	Cl. No. 5 of IEC 60529
2839	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (First characteristic numeral 6)	Cl. No. 5 of IS/IEC 60529

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	189 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2840	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Marking)	Cl. No. 10 of IEC 60529
2841	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Marking)	Cl. No. 10 of IS/IEC 60529
2842	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 0)	Cl. No. 6 of IS/IEC 60529
2843	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 0)	Cl. No. 6 of IEC 60529
2844	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 1)	Cl. No. 6 of IEC 60529
2845	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 1)	Cl. No. 6 of IS/IEC 60529
2846	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 2)	Cl. No. 6 of IEC 60529
2847	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 2)	Cl. No. 6 of IS/IEC 60529
2848	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 3)	Cl. No. 6 of IEC 60529
2849	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 3)	Cl. No. 6 of IS/IEC 60529
2850	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 4)	Cl. No. 6 of IEC 60529
2851	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 4)	Cl. No. 6 of IS/IEC 60529
2852	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 5)	Cl. No. 6 of IS/IEC 60529
2853	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 5)	Cl. No. 6 of IEC 60529

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 190 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2854	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 6)	Cl. No. 6 of IEC 60529
2855	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 6)	Cl. No. 6 of IS/IEC 60529
2856	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 7)	Cl. No. 16 of IS/IEC 60529
2857	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 7)	Cl. No. 6 of IEC 60529
2858	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 8)	Cl. No. 6 of IEC 60529
2859	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 8)	Cl. No. 6 of IS/IEC 60529
2860	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Degrees of Protection provided by enclosures (Second characteristic numeral 9)	Cl. No. 6 of IEC 60529
2861	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Drop Test	Cl. No. 5 of IEC 60068-2-31
2862	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics products and components	Performance tests for complete, filled transport packages (Vertical impact drop test)	Cl. no. 5 & 6 of IS 7028 (Part 4)
2863	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Shock Test	Cl no. 10 of IEC 61373
2864	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Shock Test	Cl. No. 7, 8 & 10 of IEC 60068-2-27
2865	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Sinusoidal vibration	Cl. no. 7.0 ,8.0 & 11.0 of IEC 60068-2-6
2866	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 01	Cl. no. 5 & 6 of IEC 62262

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 191 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2867	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 01	Cl. No.5 ,6 & 7 of IEC 60068-2-75
2868	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 02	Cl. no. 5 & 6 of IEC 62262
2869	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 02	Cl. No.5,6 &7 of IEC 60068-2-75
2870	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 03	Cl. no. 5 & 6 of IEC 62262
2871	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 03	Cl. No.5,6 &7 of IEC 60068-2-75
2872	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 04	Cl. no. 5 & 6 of IEC 62262
2873	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 04	Cl. No.5,6 &7 of IEC 60068-2-75
2874	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 05	Cl. no. 5 & 6 of IEC 62262
2875	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 05	Cl. No.5,6 &7 of IEC 60068-2-75
2876	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 06	Cl. no. 5 & 6 of IEC 62262
2877	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 06	Cl. No.5,6 &7 of IEC 60068-2-75
2878	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 07	Cl. no. 5 & 6 of IEC 62262
2879	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 07	Cl. No.5,6 &7 of IEC 60068-2-75
2880	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 08	Cl. no. 5 & 6 of IEC 62262

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	192 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2881	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 08	Cl. No.5,6 &7 of IEC 60068-2-75
2882	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 09	Cl. no. 5 & 6 of IEC 62262
2883	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 09	Cl. No.5,6 &7 of IEC 60068-2-75
2884	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 10	Cl. no. 5 & 6 of IEC 62262
2885	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test for IK code 10	Cl. No.5,6 &7 of IEC 60068-2-75
2886	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test Na: Rapid change of temperature with prescribed time of transfer (Thermal Shock) Test Nb: Change of temperature with specified rate of change and Test (Temperature cycling)	Cl. No. 8 of IS 9000 (Part 14/sec 1 to 3)
2887	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Test Na: Rapid change of temperature with prescribed time of transfer (Thermal Shock) Test Nb: Change of temperature with specified rate of change and Test (Temperature cycling)	Cl. No. 7 & 8 of IEC 60068-2-14
2888	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Vibration tests	Cl. no. 7, 8 & 9 of IEC 61373
2889	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics Products and Components	Vibration, broadband random and guidance	Cl no. 7, 8 & 10 of IEC 60068-2-64
2890	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electricity metering equipment	Vibration	Cl. No. 5.2.2 of IEC 62052-11
2891	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Enclosures for electrical equipment against external mechanical impacts (IK code)	Marking	Cl. No. 4.4 of IEC 62262

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	193 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2892	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 3: Mechanical loads	Free fall test	Cl. no. 4.3 of ISO 16750-3
2893	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 3: Mechanical loads	Mechanical shock test	Cl. no. 4.2 of ISO 16750-3
2894	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 3: Mechanical loads	Vibration Test	Cl. no. 4.1 of IS 16750-3
2895	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Marking	Cl. No.7 of IS 15885 (P2/Sec3)
2896	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Moisture Resistance and Insulation	Cl.No.11 of IS 15885 (P2/Sec3)
2897	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Verification of Classification	Cl.No.6 of IS 15885 (P2/Sec3)
2898	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Abnormal Operation (Conditions)	Cl.No.16 of IS 15885(P 2/Sec3)
2899	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Construction	Cl.No.17 of IS 15885(P 2/Sec3)
2900	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Creepage distances and clearances	Cl. No.18 of IS 15885(P 2/Sec3)
2901	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Electric Strength	Cl.No.12 of IS 15885 (P2/Sec3)
2902	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Fault Conditions	Cl.No.14 of IS 15885 (P2/Sec3)
2903	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Protection against accidental contact with live parts	Cl.No.8 of IS 15885 (P2/Sec3)
2904	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Protection of associated Component	Cl. No.15 of IS 15885(P 2/Sec3)
2905	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Provisions for Protective Earthing	Cl.No.10 of IS 15885 (P2/Sec3)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	194 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2906	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Resistance to corrosion	Cl.No.21 of IS 15885(P 2/Sec3)
2907	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Resistance to heat and fire and Tracking	Cl.No.21 of IS 15885(P 2/Sec3)
2908	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Screw current carrying parts and connections	Cl. No.19 of IS 15885 (P2/Sec3)
2909	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamp	Terminals	Cl.No.9 of IS 15885 (P2/Sec3)
2910	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamps	Screw current carrying parts and connections	Cl. No.18 IEC 61347-2-13
2911	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC supplied electronic ballasts for fluorescent lamps	Screw current carrying parts and connections	Cl. No.18 of IS 15885(P2/Sec13)
2912	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Protection against accidental contact with live parts	Cl. No.11 of IS 13021 (P-1)
2913	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Verification of Classification	Cl.No.6 of IS 13021 (P-1)
2914	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Abnormal Conditions	Cl. No.15 of IS 13021 (P-1)
2915	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Creepage distances and clearances	Cl. No.10 of IS 13021 (Part-1)
2916	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Current Carrying Parts and Connections	Cl.No.17 of IS 13021 (P-1)
2917	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Electric Strength	Cl.No.14 of IS 13021 (P-1)
2918	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Fault Conditions	Cl. No.16 of IS 13021 (P-1)
2919	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Marking	Cl.No.7 of IS 13021 (P-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	195 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2920	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Moisture Resistance and Insulation	Cl.No.13 of IS 13021 (Part-1)
2921	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Protection against electric shock	Cl. No.12 of IS 13021 (P-1)
2922	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Provision for Earthing	Cl.No.9 of IS 13021 (Part-1)
2923	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Resistance to corrosion	Cl. No.19 of IS 13021 (Part-1)
2924	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Resistance to heat & fire	Cl.No.18 of IS 13021 (P-1)
2925	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps	Terminals	Cl.No.8 of IS 13021 (Part-1)
2926	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Supply Current	Cl.No.10 of IS 13021 (P-2)
2927	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Circuit Power Factor	Cl. No.9 of IS 13021 (P-2)
2928	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Current Waveform	Cl.No.12 of IS 13021 (P-2)
2929	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Endurance	Cl. No.17 of IS 13021 (P-2)
2930	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Impedance of Audio Frequencies	Cl.No.14 of IS 13021 (P-2)
2931	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Magnetic Screening	Cl. No.13 of IS 13021 (P-2)
2932	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Mains Transient Over Voltage	Cl.No.15 of IS 13021 (P-2)
2933	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Marking	Cl.No.5 of IS 13021 (P-2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 196 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2934	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Maximum Current in any lead to a Cathode	Cl.No.11 of IS 13021 (P-2)
2935	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Operating Conditions	Cl. No.8 of IS 13021 (P-2)
2936	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Operational Tests for Abnormal Conditions	Cl.No.16 of IS 13021 (P-2)
2937	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	AC Supplied electronic ballasts for tubular fluorescent lamps Part 2 Performance Requirements	Starting Conditions	Cl.No.7 of IS 13021 (P-2)
2938	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Aircraft Lamps	Ageing	Cl. No.6.2 of IS 8685
2939	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Aircraft Lamps	Air Leakage and Blackening Tests	Cl.No. 6.6 of IS 8685
2940	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Aircraft Lamps	Torsion Test	Cl. No. 6.4 of IS 8685
2941	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Aircraft Lamps	Visual Examination and Checking For Mechanical and Physical Requirements	Cl.No. 6.1 of IS 8685
2942	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Automobile Lamps	Marking	Cl.No.5 of 1606
2943	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Automobile Lamps	Mechanical and Physical Requirements (Dimensional Check of caps through gauges)	Cl. No. 4.1 of IS 1606
2944	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Automobile Lamps	Mechanical and Physical Requirements (Dimensional Measurement, Torque Test)	Cl.No. 4.1 of IS 1606
2945	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Automobile Lamps	Vibration	Cl. No.4.4 of IS 1606
2946	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Auxiliaries For Lamps – Starting Devices (Other Than Glow Starters) – Performance Requirements	Marking	Cl.No. 5 of IS 15974

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	197 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2947	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Auxiliaries For Lamps – Starting Devices (Other Than Glow Starters) – Performance Requirements	Performance requirements for ignitors - Starting test - Non-reoperating level - Endurance test	Cl. No. 11 , 12, 13 of IS 15974
2948	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Auxiliaries For Lamps – Starting Devices (Other Than Glow Starters) – Performance Requirements	Performance requirements for starters (other than glow starters) for fluorescent lamps -Starting test - Endurance test - Deactivated lamp test	Cl. No. 7, 8 ,9 of IS 15974
2949	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Ballast Heating	Cl.No.14 of IS 15885(P2/Sec9)
2950	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Construction	Cl.No.17 of IS 15885(P2/Sec9)
2951	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Creepage distances and clearances	Cl. No.18 of IS 15885(P2/Sec9)
2952	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Electric Strength	Cl.No.12 of IS 15885(P2/Sec9)
2953	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	High Voltage Impulse Testing	Cl.No.15 of IS 15885(P2/Sec9)
2954	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Marking	Cl.No.7 of IS 15885(P2/Sec9)
2955	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Moisture Resistance and Insulation	Cl. No.11 of IS 15885(P2/Sec9)
2956	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	ballasts for discharge lamps (excluding fluorescent lamps)	Protection against accidental contact with live parts	Cl.No.8 of IS 15885(P2/Sec9)
2957	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Provisions for Earthing	Cl.No.10 of IS 15885(P2/Sec9)
2958	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Resistance to corrosion	Cl.No.21 of IS 15885(P2/Sec9)
2959	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Resistance to heat and fire and Tracking	Cl.No.20 of IS 15885(P2/Sec9)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	198 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2960	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Screw current carrying parts and connections	Cl.No.19 of IS 15885(P2/Sec9)
2961	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Terminals	Cl.No.9 of IS 15885(P2/Sec9)
2962	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Thermal Endurance test for windings of Ballasts	Cl.No.13 of IS 15885(P2/Sec9)
2963	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Fluorescent Lamps)	Verification of Classification	Cl.No.6 of IS 15885(P2/Sec9)
2964	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Ignitors	Cl. No.11 of IS 15882
2965	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Ballast designed to operate at various supply voltages	Cl.No. 6 of IS 15882
2966	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Circuit Power factor	Cl.No. 7 of IS 15882
2967	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Current Waveform	Cl.No.9 of IS 15882
2968	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for High -Pressure Sodium vapour Lamps	Cl. No.15 of IS 15882
2969	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for High -Pressure Sodium vapour Lamps	Cl. No.15 of IS 15882
2970	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for High-Pressure Mercury vapour Lamps (Short circuit current, Open circuit voltage and power measurement)	Cl. No.12 of IS 15882
2971	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for High-Pressure Mercury vapour Lamps (Short circuit current, Open circuit voltage and power measurement)	Cl. No.12 of IS 15882

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	199 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2972	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for Low -Pressure Sodium vapour Lamps	Cl. No.13 of IS 15882
2973	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for Low –Pressure Sodium vapour Lamps	Cl. No.13 of IS 15882
2974	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for Metal Halide Lamps	Cl. No.14 of IS 15882
2975	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Electrical requirements for Ballasts for Metal Halide Lamps	Cl. No.14 of IS 15882
2976	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Magnetic Screening	Cl. No.10 of IS 15882
2977	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Marking	Cl. No.5 of IS 15882
2978	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Discharge Lamps (Excluding Tubular fluorescent Lamps)	Supply current	Cl. No. 8 of IS 15882
2979	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Ballast Heating	Cl. No.14 of IS 15885(P 2/Sec8)
2980	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Construction	Cl. No.17 of IS 15885(P 2/Sec8)
2981	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Creepage distances and clearances	Cl. No.18 of IS 15885(P 2/Sec8)
2982	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Electric Strength	Cl. No.12 of IS 15885(P 2/Sec8)
2983	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	High Voltage Impulse Testing	Cl.No. 15 of IS 15885(P 2/Sec8)
2984	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Marking	Cl. No.7 of IS 15885(P 2/Sec8)
2985	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Moisture Resistance and Insulation	Cl. No.11 of IS 15885(P 2/Sec8)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	200 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
2986	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	ballasts for fluorescent lamps	Protection against accidental contact with live parts	Cl. No.8 of IS 15885 (P2/Sec8)
2987	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Provisions for Earthing	Cl. No. 10 of IS 15885(P 2/Sec8)
2988	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Resistance to corrosion	Cl.No.21 of IS 15885(P 2/Sec8)
2989	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Resistance to heat and fire and Tracking	Cl.No.20 of IS 15885(P 2/Sec8)
2990	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Screw current carrying parts and connections	Cl. No.19 of IS 15885(P 2/Sec8)
2991	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Terminals	Cl. No.9 of IS 15885(P 2/Sec8)
2992	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Thermal Endurance test for windings of Ballasts	Cl.No.13 of IS 15885(P 2/Sec8)
2993	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Fluorescent Lamps	Verification of Classification	Cl. No. 6 of IS 15885(P 2/Sec8)
2994	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Creepage distances and Clearances	Cl. No. 7 of IS 1534 (P-1)
2995	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Marking	Cl.No. 8 of IS 1534 (P-1)
2996	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Moisture Resistance and insulation	Cl. No. 9.7 of IS 1534 (P-1)
2997	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Performance	Cl. No.9.13 of IS 1534 (P-1)
2998	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Performance	Cl. No.9.13 of IS 1534 (P-1)
2999	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Protection against accidental contacts and electric shock	Cl.No. 9.5 of IS 1534 (P-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	201 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3000	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Provision for earthing	Cl. No. 6 of IS 1534 (P-1)
3001	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Resistance to Heat	Cl. No.9.11 of IS 1534 (P-1)
3002	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Screws, current-carrying parts and connections	Cl.No. 5 of IS 1534 (P-1)
3003	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Terminal for external wiring	Cl. No. 4 of IS 1534 (P-1)
3004	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Test for Ballast losses	Cl.No. 9.14 of IS 1534 (P-1)
3005	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Test for Mechanical Strength	Cl.No. 9.10 of IS 1534 (P-1)
3006	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Test for resistance to corrosion	Cl.No. 9.12 of IS 1534 (P-1)
3007	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Test for thermal endurance of windings	Cl.No. 9.8 of IS 1534 (P-1)
3008	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Test for thermal endurance of windings	Cl.No. 9.9 of IS 1534 (P-1)
3009	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Verification of General Design Construction & Workmanship (Measurement of distance in Air)	Cl. No. 3 of IS 1534 (P-1)
3010	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Verification of Physical Condition	Cl. No. 9.4 of IS 1534 (P-1)
3011	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for fluorescent lamps (For Switch Start Circuits)	Voltage across capacitors	Cl. No. 9.6 of IS 1534 (P-1)
3012	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Lamp Power and Current	Cl.No.8 of IS 15968

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	202 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3013	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts For Tubular Fluorescent Lamps	Circuit Power-Factor	Cl. No.9 of IS 15968
3014	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Impedance At Audio-Frequencies	Cl.No.14 of IS 15968
3015	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts For Tubular Fluorescent Lamps	Lamp Operating Current Waveform	Cl.No.12.1 of IS 15968
3016	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Lamps with Integral Means of Starting	Cl.No. 6.5 of IS 15968
3017	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Magnetic Screening	Cl. No.13 of IS 15968
3018	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Marking	Cl.No.5 of IS 15968
3019	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts For Tubular Fluorescent Lamps	Maximum (rms) Voltage Across Starter Terminals with Lamp Operating	Cl.No.6.4 of IS 15968
3020	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Maximum Current In Any Lead to a Cathode	Cl.No.11 of IS 15968
3021	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Supply Current	Cl.No.10 of IS 15968
3022	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Ballasts for Tubular Fluorescent Lamps	Test For Ballast Losses	Cl.No.15 of IS 15968
3023	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Circuit Power Factor	Cl. No.9 of IEC 62384
3024	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Endurance	Cl. No.12 of IEC 62384
3025	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Impedance at radio frequency	Cl. No.11 of IEC 62384
3026	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Marking	Cl.No.6 of IEC 62384

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	203 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3027	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Operation test for abnormal conditions	Cl.No.11 of IEC 62384
3028	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Output Voltage and Current	Cl.No.7 of IEC 62384
3029	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Total Circuit Power	Cl. No. 8 of IEC 62384
3030	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Total Circuit Power	Cl. No. 8 of IS 16104
3031	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Verification of Classification	Cl.No. 5 of IEC 62384
3032	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Circuit Power Factor	Cl. No.9 of IS 16104
3033	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Endurance	Cl. No.13 of IS 16104
3034	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Impedance at radio frequency	Cl. No.11 of IS 16104
3035	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Marking	Cl.No.6 of IS 16104
3036	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Operation test for abnormal conditions	Cl.No.12 of IS 16104
3037	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Output Voltage and Current	Cl.No.7 of IS 16104
3038	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Supply Current	Cl. No.10 of IS 16104
3039	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Supply Current	Cl. No.10 of IEC 62384
3040	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC / AC supplied electronic control-gear for LED modules	Verification of Classification	Cl.No. 5 of IS 16104

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	204 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3041	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Construction	Cl.No.16 of IEC 61347-2-13
3042	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Creepage distances and clearances	Cl. No.17 of IEC 61347-2-13
3043	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Electric Strength	Cl. No.12 of IEC 61347-2-13
3044	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Fault Conditions	Cl.No.14 of IEC 61347-2-13
3045	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Marking	Cl.No. 7 of IEC 61347-2-13
3046	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Moisture Resistance and Insulation	Cl.No.11 of IEC 61347-2-13
3047	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Protection against accidental contact with live parts	Cl.No.8 of IEC 61347-2-13
3048	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Protection against accidental contact with live parts	Cl.No.8 of IS 15885(P2/Sec13)
3049	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Provisions for Protective Earthing	Cl.No.10 of IEC 61347-2-13
3050	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Resistance to corrosion	Cl.No.20 of IEC 61347-2-13
3051	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Resistance to heat and fire and Tracking	Cl.No.19 of IEC 61347-2-13
3052	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Terminals	Cl.No.9 of IEC 61347-2-13
3053	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Transformer Heating	Cl.No.15 of IEC 61347-2-13
3054	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Verification of Classification	Cl. No.6 of IEC 61347-2-13

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	205 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3055	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Construction	Cl.No.16 of IS 15885(P2/Sec13)
3056	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Creepage distances and clearances	Cl. No.17 of IS 15885(P2/Sec13)
3057	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Electric Strength	Cl. No.12 of IS 15885(P2/Sec13)
3058	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Fault Conditions	Cl.No.14 of IS 15885(P2/Sec13)
3059	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Marking	Cl.No. 7 of IS 15885 :P2/Sec13
3060	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Moisture Resistance and Insulation	Cl.No.11 of IS 15885(P2/Sec13)
3061	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Protection against accidental contact with live parts	Cl.No.8 of IS 15885(P2/Sec13)
3062	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Provisions for Protective Earthing	Cl.No.10 of IS 15885(P2/Sec13)
3063	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Resistance to corrosion	Cl.No.20 of IS 15885(P2/Sec13)
3064	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Resistance to heat and fire and Tracking	Cl.No.19 of IS 15885(P2/Sec13)
3065	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Terminals	Cl.No.9 of IS 15885(P2/Sec13)
3066	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Transformer Heating	Cl.No.15 of IS 15885(P2/Sec13)
3067	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	DC/AC supplied electronic control gear for LED module	Verification of Classification	Cl. No.6 of IS 15885(P2/Sec13)
3068	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Double capped fluorescent lamps	Verification of General & Marking	Cl.No.4 of IS 15687 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	206 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3069	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Cord Grip	Cl.No.33 of IS 3481
3070	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Cord Guard	Cl.No.34 of IS 3481
3071	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Creepage distances and Clearance	Cl.No.48 of IS 3481
3072	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Earthing Connection	Cl.No.6.10 of IS 3481
3073	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Electrical insulation and leakage current at operating temperature	Cl.No.6.3 of IS 3481
3074	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Fire Resisting property	Cl.No.29 of IS 3481
3075	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Insulation Resistance & Electric Strength (after humidity treatment)	Cl. No. 42.3, Cl.44.3 of IS 3481
3076	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Marking	Cl. No.7 of IS 3481
3077	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Mechanical strength	Cl.No.6.6 of IS 3481
3078	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Moisture resistance test	Cl.No.6.4 of IS 3481
3079	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Resistant to Rusting	Cl. No.6.12 of IS 3481
3080	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Screws and connections	Cl. No.35 of IS 3481
3081	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Stability & Mechanical Hazards	Cl.No.6.5 of IS 3481
3082	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Supply connections & external supply cord	Cl. No.6.8 of IS 3481

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 207 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3083	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Temperature rise	Cl. No. 6.2 of IS 3481
3084	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Test on Switches (High Voltage test, Insulation resistance (dry) test, Contact resistance and temperature rise test, Overvoltage and current capacity test, Endurance test)	Cl.No.8.34 of IS 3481
3085	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electric portable Lamp Stand and Brackets	Verification of material, construction and requirement, marking	Cl. No. 8.3.1 of IS 3481
3086	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Electrical Parameters Measurement (Measurement of Voltage, Current, Wattage, Power Factor & Frequency)	Cl. No.7,8 of IES LM79-08
3087	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Electrical Parameters Measurement (Measurement of Voltage, Current, Wattage, Power Factor & Frequency)	Cl. No.10 of IS 16106
3088	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electrical lamps for Railway Signaling	Marking	Cl.No. 5 of IS 9589
3089	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Electrical lamps for Railway Signaling	Mechanical, Physical & Marking Requirements	Cl.No. 6.2 of IS 9589
3090	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Changeover Operation	Cl. No. 18 of IS 10322 (Part 5/Sec 8)
3091	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Creepage distances and Clearances	Cl. No. 8 of IS 10322 (Part 5/Sec 8)
3092	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	High Temperature Operation	l. No. 19 of IS 10322 (Part 5/Sec 8)
3093	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Provision for Earthing	Cl. No. 9 of IS 10322 (Part 5/Sec 8)
3094	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to heat, fire and Tracking	Cl. No. 16 of IS 10322 (Part 5/Sec 8)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 208 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3095	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Battery Chargers for Self-Contained Emergency Lumnaires	Cl. No. 20 of IS 10322 (Part 5/Sec 8)
3096	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Construction	Cl. No. 7 of IS 10322 (Part 5/Sec 8)
3097	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Endurance test & Thermal Test	Cl. No. 13 of IS 10322 (Part 5/Sec 8)
3098	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	External & Internal Wiring	Cl. No. 11 of IS 10322 (Part 5/Sec 8)
3099	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Functional Safety (Measurement of Light output ratio, Luminance, intensity distribution, colour rendering Index and color Temperature & coordinates)	Cl. No. 17 of IS 10322 (Part 5/Sec 8)
3100	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Functional Safety (Measurement of Lumen output, Current, Voltage)	Cl. No. 17 of IS 10322 (Part 5/Sec 8)
3101	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Functional Safety (Measurement of Lux measurement)	Cl. No. 17 of IS 10322 (Part 5/Sec 8)
3102	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Insulation Resistance & Electric Strength	Cl. No. 15 of IS 10322 (Part 5/Sec 8)
3103	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Marking	Cl. No. 6 of IS 10322 (Part 5/Sec 8)
3104	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Protection against electric shock	Cl. No. 12 of IS 10322 (Part 5/Sec 8)
3105	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Resistance to dust & moisture test	Cl. No. 14 of IS 10322 (Part 5/Sec 8)
3106	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Rest Mode and Inihibition Mode Facilities	Cl. No. 22 of IS 10322 (Part 5/Sec 8)
3107	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Terminals	Cl. No. 10 of IS 10322 (Part 5/Sec 8)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 209 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3108	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Emergency Lighting	Test Devices for Emergency Operation (Simulation Failure Test)	Cl. No. 21 of IS 10322 (Part 5/Sec 8)
3109	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Construction	Cl. No. 5.6 of IEC 60598-2-5
3110	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Creepage & Clearances	Cl. No. 5.7 of IEC 60598-2-5
3111	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Creepage & Clearances	Cl. No. 8 of IS 10322 (P-5/Sec-5)
3112	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Endurance & Thermal test	Cl. No. 5.12 of IEC 60598-2-5
3113	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	External & Internal Wiring	Cl. No. 5.10 of IEC 60598-2-5
3114	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Insulation Resistance & Electric Strength	Cl. No. 5.14 of IEC 60598-2-5
3115	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Marking	Cl. No. 5.5 of IEC 60598-2-5
3116	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Protection against electric shock	Cl. No. 5.11 of IEC 60598-2-5
3117	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Provision for Earthing	Cl. No. 5.8 of IEC 60598-2-5
3118	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Provision for Earthing	Cl. No. 9 of IS 10322 (P-5/Sec-5)
3119	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to dust & moisture	Cl. No. 5.13 of IEC 60598-2-5
3120	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to heat, fire and Tracking	Cl. No. 5.15 of IEC 60598-2-5
3121	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Terminals	Cl. No. 5.9 of IEC 60598-2-5

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 210 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3122	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Construction	Cl. No. 7 of IS 10322 (P-5/Sec-5)
3123	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Endurance & Thermal test	Cl. No. 13 of IS 10322 (P-5/Sec-5)
3124	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	External & Internal Wiring	Cl. No. 11 of IS 10322 (P-5/Sec-5)
3125	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Insulation Resistance & Electric Strength	Cl. No. 15 of IS 10322 (P-5/Sec-5)
3126	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Marking	Cl. No. 6 of IS 10322 (P-5/Sec-5)
3127	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Protection against electric shock	Cl. No. 12 of IS 10322 (P-5/Sec-5)
3128	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to dust & moisture	Cl. No. 14 of IS 10322 (P-5/Sec-5)
3129	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Resistance to heat, fire and Tracking	Cl. No. 16 of IS 10322 (P-5/Sec-5)
3130	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Flood Lights	Terminals	Cl. No. 10 of IS 10322 (P-5/Sec-5)
3131	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Construction	Cl.No.7 of IS 10322 (P-5/Sec-1)
3132	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Construction	Cl.No.1.6 of IEC 60598-2-1
3133	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Creepage & Clearances	Cl. No. 8 of IS 10322 (P-5/Sec-1)
3134	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Endurance & Thermal test	Cl. No. 1.12 of IEC 60598-2-1
3135	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Endurance & Thermal test	Cl. No. 13 of IS 10322 (P-5/Sec-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	211 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3136	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	External & Internal Wiring	Cl. No. 11 of IS 10322 (P-5/Sec-1)
3137	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	External & Internal Wiring	Cl. No. 1.10 of IEC 60598-2-1
3138	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Insulation Resistance & Electric Strength	Cl.No.1.14 of IEC 60598-2-1
3139	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Insulation Resistance & Electric Strength	Cl.No.15 of IS 10322 (P-5/Sec-1)
3140	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose luminaires	Marking	Cl.No.1.5 of IEC 60598-2-1
3141	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Protection against electric shock	Cl.No.12 of IS 10322 (P-5/Sec-1)
3142	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Protection against electric shock	Cl.No.1.11 of IEC 60598-2-1
3143	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Provision for Earthing	Cl.No.1.8 of IEC 60598-2-1
3144	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Provision for Earthing	Cl.No.9 of IS 10322 (P-5/Sec-1)
3145	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Resistance to dust & moisture	Cl.No.14 of IS 10322 (P-5/Sec-1)
3146	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Resistance to dust & moisture	Cl.No.1.13 of IEC 60598-2-1
3147	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Resistance to heat, fire and Tracking	Cl.No.1.15 of IEC 60598-2-1
3148	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Resistance to heat, fire and Tracking	Cl.No.16 of IS 10322 (P-5/Sec-1)
3149	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Terminals	Cl.No.10 of IS 10322 (P-5/Sec-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	212 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3150	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Terminals	Cl.No.1.9 of IEC 60598-2-1
3151	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose Luminaires	Creepage & Clearances	Cl. No. 8 of IS 10322 (P-5/Sec-1)
3152	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General Purpose luminaires	Marking	Cl.No.6 of IS 10322 (P-5/Sec-1)
3153	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	General purpose luminaries	Creepage & Clearances	Cl. No. 1.7 of IEC 60598-2-1
3154	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Creepage for B-15 & B-22 d capped lamps,	Cl. No. 4.8 of IS 15518
3155	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Insulation Resistance	Cl.No.4.6 of IS 15518
3156	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Interchangeability	Cl.No.4.10 of IS 15518
3157	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Lamp Cap Temperature Rise	Cl.No.4.4 of IS 15518
3158	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Marking	Cl. No. 3.2 of IEC 60064
3159	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Marking	Cl. No. 4.2 of IS 15518
3160	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Protection against accidental contact in screw lamp holders & accidentally live part	Cl.No. 4.3 & 4.7 of IS 15518
3161	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Resistance to Heat	Cl.No. 4.5.3 of IS 15518
3162	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Resistance to Torque	Cl. No. 4.5 of IS 15518
3163	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps	Safety at end of life	Cl. No. 4.9 of IS 15518

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 213 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3164	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps (Performance Requirements)	Marking	Cl. No. 6 of IS 418
3165	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps (Performance Requirements)	Dimension	Cl. No. 3.3 of IEC 60064
3166	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	GLS Lamps (Performance Requirements)	Dimension	Cl. No. 7 of IS 418
3167	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Creepage distances and Clearances	Cl.No.8 of IS 10322 (Part 5/Sec 6)
3168	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Construction	Cl.No.7 of IS 10322 (Part 5/Sec 6)
3169	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Endurance test & Thermal Test	Cl.No.13 of IS 10322 (Part 5/Sec 6)
3170	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	External & Internal Wiring	Cl.No.11 of IS 10322 (Part 5/Sec 6)
3171	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Insulation Resistance & Electric Strength	Cl.No.15 of IS 10322 (Part 5/Sec 6)
3172	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Marking	Cl.No.6 of IS 10322 (Part 5/Sec 6)
3173	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Protection against electric shock	Cl.No.12 of IS 10322 (Part 5/Sec 6)
3174	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to dust & moisture test	Cl. No.14 of IS 10322 (Part 5/Sec 6)
3175	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Resistance to heat, fire and Tracking	Cl.No.16 of IS 10322 (Part 5/Sec 6)
3176	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Terminals	Cl.No.10 of IS 10322 (Part 5/Sec 6)
3177	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Handlamps	Terminals	Cl.No.8.10 of IEC 60598-2-8

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 214 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3178	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Lamp dimensions	Cl. No.4.1.3 of IS 9900 (Part 1)
3179	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Caps (Insulation Resistance test and Cap dimension test)	Cl. No.4.1.2.4 of IS 9900 (Part 1)
3180	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Lamp Stability with Rapidly Reduces Supply Voltage	Cl. No.7.6 of IS 9900 (Part 1)
3181	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Marking	Cl.No.6 of IS 9900 (Part 1)
3182	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Starting and Warm Up Characteristics	Cl.No.4.2 of IS 9900 (Part 1)
3183	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Test for electrical and luminous characteristics	Cl.No.7 of IS 9900 (Part 1)
3184	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Mercury Vapour Lamps	Torsion test	Cl. No.4.1.2.3 of IS 9900 (Part 1)
3185	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Caps (Insulation Resistance test and Cap dimension test)	Cl.No.4.3 of IS 9974 (Part 1)
3186	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Caps (Torsion test)	Cl.No.4.3.3 of IS 9974 (Part 1)
3187	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Lamp Dimensions	Cl.No.4.1 of IS 9974 (Part 1)
3188	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Lamp electrical characteristics (Voltage, Current, Wattage, Power factor & Frequency)	Cl.No.7.4 of IS 9974 (Part 1)
3189	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Lamp Extinguishing Voltage	Cl. No. 7.4 of IS 9974 (Part 1)
3190	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Lamp Starting& Warm Up test	Cl.No.7 of IS 9974 (Part 1)
3191	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	High Pressure Sodium Vapor Lamps	Marking	Cl.No.5 of IS 9974 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 215 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3192	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Verification of Classification	Cl.No.6 of IEC 61347-1
3193	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Construction	Cl.No.15 of IS 15885 (Part-1)
3194	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Construction	Cl.No.15 of IEC 61347-1
3195	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Creepage distances and clearances	Cl.No.16 of IS 15885 (Part-1)
3196	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Creepage distances and clearances	Cl.No.16 of IEC 61347-1: 2015
3197	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Electric Strength	Cl.No.12 of IS 15885 (Part-1)
3198	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Electric Strength	Cl.No.12 of IEC 61347-1
3199	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Fault Conditions	Cl.No.14 of IS 15885 (Part-1)
3200	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Fault Conditions	Cl.No.14 of IEC 61347-1
3201	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Marking	Cl.No.7 of IS 15885 (Part-1)
3202	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Marking	Cl.No.7 of IEC 61347-1
3203	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Moisture Resistance and Insulation	Cl. No.11 of IS 15885 (Part-1)
3204	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Moisture Resistance and Insulation	Cl. No.11 of IEC 61347-1
3205	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Protection against accidental contact with live parts	Cl.No.10 of IS 15885(Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	216 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3206	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Protection against accidental contact with live parts	Cl.No.10 of IEC 61347-1
3207	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Provisions for Protective Earthing	Cl.No.9 of IS 15885 (Part-1)
3208	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Provisions for Protective Earthing	Cl.No.9 of IEC 61347-1
3209	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Resistance to corrosion	Cl.No.19 of IS 15885 (Part-1)
3210	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Resistance to corrosion	Cl.No.19 of IEC 61347-1
3211	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Resistance to heat and fire and Tracking	Cl.No.18 of IS 15885 (Part-1)
3212	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Resistance to heat and fire and Tracking	Cl.No.18 of IEC 61347-1
3213	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Screw current carrying parts and connections	Cl.No.17 of IEC 61347-1
3214	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Screw current carrying parts and connections	Cl.No.17 of IS 15885 (Part-1)
3215	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Terminals	Cl.No.8 of IS 15885 (Part-1)
3216	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Terminals	Cl.No.8 of IEC 61347-1
3217	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Thermal Endurance test for windings of Ballasts	Cl.No.13 of IEC 61347-1
3218	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Thermal Endurance test for windings of Ballasts	Cl.No.13 of IS 15885 (Part-1)
3219	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lamp Control-gear	Verification of Classification	Cl.No.6 of IS 15885 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	217 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3220	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED based SOLAR LANTERN	Cables	Cl. 8.6 of IS 16476 (Part 1)
3221	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries (Performance Requirements)	Marking	Cl.No.4 of IS 16107-2-1:2012/ IS 16107-1
3222	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries (Performance Requirements)	Marking	Cl.No.4 of IEC 62722-2-1: 2014/ IEC 62722-1
3223	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries (Performance Requirements)	Total Input Power	Cl.No.7 of IEC 62722-2-1: 2014/ IEC 62722-1
3224	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Luminaries (Performance Requirements)	Total Input Power	Cl.No.7 of IS 16107-2-1:2012/ IS 16107-1
3225	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Marking	Cl. No.7 of IS 16103(Part-1)
3226	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Protection Against Accidental Contact with live part	Cl. No.10 of IS 16103(Part-1)
3227	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Terminals	Cl.No.7 of IEC 62031
3228	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Dimension	Cl.No.5 of IS 16103 (Part-2)
3229	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Marking	Cl.No.4 of IS 16103 (Part-2)
3230	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Construction	Cl.No.15 of IS 16103(Part-1)
3231	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Construction	Cl.No.14 of IEC 62031
3232	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Creepage Distance and clearances	Cl. No.15 of IEC 62031
3233	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Creepage Distance and clearances	Cl. No.16 of IS 16103(Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	218 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3234	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Electric Strength	Cl.No.12 of IS 16103(Part-1)
3235	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Electric Strength	Cl.No.11 of IEC 62031
3236	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Fault Condition	Cl.No.13 of IS 16103(Part-1)
3237	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Fault Condition	Cl.No.12 of IEC 62031
3238	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Heat Management (Temperature Measurement & Constraction Verification)	Cl.No.21 of IS 16103 (Part-1)
3239	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Heat Management (Temperature Measurement & Constraction Verification)	Cl.No.20 of IEC 62031
3240	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Marking	Cl. No.6 of IEC 62031
3241	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Module Power	Cl.No.7 of IS 16103 (Part-2)
3242	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Moisture resistance and Insulation	Cl.No.10 of IEC 62031
3243	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Moisture resistance and Insulation	Cl.No.11 of IS 16103(Part-1)
3244	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Protection Against Accidental Contact with live part	Cl. No.9 of IEC 62031
3245	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Provision for Protective Earthing	Cl. No.9 of IS 16103(Part-1)
3246	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Provision for Protective Earthing	Cl. No.8 of IEC 62031
3247	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Resistance to corrosion	Cl. No.19 of IS 16103(Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 219 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3248	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Resistance to corrosion	Cl. No.18 of IEC 62031
3249	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Resistance to heat fire and Tracking	Cl.No.18 of IS 16103(Part-1)
3250	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Resistance to heat fire and Tracking	Cl.No.17 of IEC 62031
3251	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Resistance to heat fire and Tracking	Cl.No.18 of IS 16103(Part-1)
3252	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Screws Current Carrying Parts and Connections	Cl.No.17 of IS 16103(Part-1)
3253	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Screws Current Carrying Parts and Connections	Cl.No.16 of IEC 62031
3254	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Terminals	Cl.No.8 of IS 16103(Part-1)
3255	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Verification of Classification	Cl.No.5 of IEC 62031
3256	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning	Verification of Classification	Cl.No.6 of IS 16103(Part-1)
3257	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Dimension	Cl.No.5 of IEC 62717
3258	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Marking	Cl.No.4 of IEC 62717
3259	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Module Power	Cl.No.7 of IEC 62717
3260	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Test for Emission (Radiated and Conducted) of radio frequency disturbances	Cl. No.13 of EC 62717
3261	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	LED Modules for General Lightning (Performance Requirements)	Test for Emission (Radiated and Conducted) of radio frequency disturbances	Cl. No.13 of IS 16103 (Part-2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 220 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3262	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Insulation Resistance & Electric Strength	Cl. No.20.15 of IS 10322 (Part 5/Sec 7)
3263	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Construction	Cl.No. 20.7 of IS 10322 (Part 5/Sec 7)
3264	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Creepage distances and Clearances	Cl. No.20.8 of IS 10322 (Part 5/Sec 7)
3265	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Endurance test & Thermal Test	Cl.No. 20.13 of IS 10322 (Part 5/Sec 7)
3266	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	External & Internal Wiring	Cl. No.20.11 of IS 10322 (Part 5/Sec 7)
3267	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Marking	Cl. No.20.6 of IS 10322 (Part 5/Sec 7)
3268	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Protection against electric shock	Cl. No.20.12 of IS 10322 (Part 5/Sec 7)
3269	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to dust & moisture test	Cl.No. 20.14 of IS 10322 (Part 5/Sec 7)
3270	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Resistance to heat, fire and Tracking	Cl. No.20.16 of IS 10322 (Part 5/Sec 7)
3271	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Lighting Chains	Terminals	Cl.No.20.10 of IS 10322 (Part 5/Sec 7)
3272	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Construction	Cl.No.3.6 of IEC 60598-2-3
3273	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Endurance & Thermal test	Cl.No.3.12 of IEC 60598-2-3
3274	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	External & Internal Wiring	Cl.No.3.10 of IEC 60598-2-3
3275	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Insulation Resistance & Electric Strength	Cl.No.15 of IS 10322 (P-5/Sec-3)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 221 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3276	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Insulation Resistance & Electric Strength	Cl.No.3.14 of IEC 60598-2-3
3277	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Marking	Cl.No.3.5 of IEC 60598-2-3
3278	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Provision for Earthing	Cl.No.3.8 of IEC 60598-2-3
3279	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Provision for Earthing	Cl.No.9 of IS 10322 (P-5/Sec-3)
3280	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Resistance to dust & moisture	Cl. No.3.13 of IEC 60598-2-3
3281	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Resistance to heat, fire and Tracking	Cl.No.3.15 of IEC 60598-2-3
3282	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Terminals	Cl.No.3.9 of IEC 60598-2-3
3283	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Construction	Cl.No.7 of IS 10322 (P-5/Sec-3)
3284	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Creepage & Clearances	Cl.No.3.7 of IEC 60598-2-3
3285	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Creepage & Clearances	Cl.No.8 of IS 10322 (P-5/Sec-3)
3286	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Endurance & Thermal test	Cl.No.13 of IS 10322 (P-5/Sec-3)
3287	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	External & Internal Wiring	Cl.No.11 of IS 10322 (P-5/Sec-3)
3288	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Marking	Cl.No.6 of IS 10322 (P-5/Sec-3)
3289	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Protection against electric shock	Cl.No.12 of IS 10322 (P-5/Sec-3)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	222 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3290	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Protection against electric shock	Cl.No.3.11 of IEC 60598-2-3:
3291	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Resistance to dust & moisture	Cl. No.14 of IS 10322 (P-5/Sec-3)
3292	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Resistance to heat, fire and Tracking	Cl.No.16 of IS 10322 (P-5/Sec-3)
3293	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires for road & street lighting	Terminals	Cl.No.10 of IS 10322 (P-5/Sec-3)
3294	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Harmonics	Cl.No.13 of IS 16107 (Part 2/sec 2)
3295	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Ingress Protection (IP)	Cl.No.16 of IS 16107 (Part 2/sec 2)
3296	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Marking	Cl.No.4 of IS 16107 (Part 2/sec 2)
3297	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Power factor	Cl.No.12 of IS 16107 (Part 2/sec 2)
3298	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Reverse Polarity (For d.c. supplies only)	Cl.No.15 of IS 16107 (Part 2/sec 2)
3299	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Surge protection	Cl.No.14 of IS 16107 (Part 2/sec 2)
3300	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Luminaires Performance (LED Street Lighting Luminaire)	Total Input Power	Cl.No.7 of IS 16107 (Part 2/sec 2)
3301	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Starting and warm-up characteristics	Cl.No. 4.5 of IS 16148
3302	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Caps	Cl. 4.4 of IS 16148
3303	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Dimensions	Cl.No. 4.3 of IS 16148

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	223 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3304	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Electrical characteristics (Measurement of Voltage, Current, Wattage, Power factor & Frequency)	Cl. No. 4.6 of IS 16148
3305	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Lamp requirements - General - Marking	Cl. No. 4 ,4.1 , 4.2 of IS 16148
3306	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Metal Halide Lamps	Starting and warm-up characteristics	Cl.No. 4.5 of IS 16148
3307	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with Luminaires	Protection against accidental contact with live parts	Cl.No.8 of IEC 61347-2-11
3308	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Creepage distances and clearances	Cl.No.16 of IEC 61347-2-11
3309	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Moisture Resistance and Insulation	Cl.No.11 of IEC 61347-2-11
3310	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Screw current carrying parts and connections	Cl. No.17 of IEC 61347-2-11
3311	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Construction	Cl. No.15 of IEC 61347-2-11
3312	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Electric Strength	Cl.No.12 of IEC 61347-2-11
3313	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Fault Conditions	Cl. No.14 of IEC 61347-2-11
3314	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Marking	Cl.No.7 of IEC 61347-2-11
3315	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Provisions for Protective Earthing	Cl.No.10 of IEC 61347-2-11
3316	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Resistance to corrosion	Cl.No.19 of IEC 61347-2-11

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 224 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3317	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Resistance to heat and fire and Tracking	Cl. No.18 of IEC 61347-2-11
3318	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Terminals	Cl. No.9 of IEC 61347-2-11
3319	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Miscellaneous Electronic Circuits used with luminaries	Verification of Classification	Cl.No.6 of IEC 61347-2-11
3320	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Creepage & Clearances	Cl.No.4.8 of IEC 60598-2 4
3321	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Endurance & Thermal test	Cl.No.4.13 of IEC 60598-2 4
3322	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	External & Internal Wiring	Cl.No.4.11 of IEC 60598-2 4
3323	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Insulation Resistance & Electric Strength	Cl.No.4.15 of IEC 60598-2 4
3324	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Marking	Cl.No.4.6 of IEC 60598-2 4
3325	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Protection against electric shock	Cl.No.4.12 of IEC 60598-2 4
3326	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Provision for Earthing	Cl.No.4.9 of IEC 60598-2 4
3327	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Provision for Earthing	Cl.No.8 of IS 10322 (P-5/Sec-4)
3328	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Resistance to dust & moisture	Cl. No.4.14 of IEC 60598-2-4
3329	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Resistance to heat, fire and Tracking	Cl.No.4.16 of IEC 60598-2-4
3330	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Terminals	Cl.No.4.10 of IEC 60598-2-4

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 225 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3331	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Construction	Cl.No.4.7 of IEC 60598-2-4
3332	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Construction	Cl.No.6 of IS 10322 (P-5/Sec-4)
3333	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Creepage & Clearances	Cl.No.7 of IS 10322 (P-5/Sec-4)
3334	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Endurance & Thermal test	Cl.No.13.4 of IS 10322 (P-5/Sec-4)
3335	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	External & Internal Wiring	Cl.No.10 of IS 10322 (P-5/Sec-4)
3336	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Insulation Resistance & Electric Strength	Cl.No.13.6 of IS 10322 (P-5/Sec-4)
3337	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Marking	Cl.No.5 of IS 10322 (P-5/Sec-4)
3338	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Protection against electric shock	Cl.No.11 of IS 10322 (P-5/Sec-4)
3339	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Resistance to dust & moisture	Cl. No.13.5 of IS 10322 (P-5/Sec-4)
3340	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Resistance to heat, fire and Tracking	Cl.No.13.7 of IS 10322 (P-5/Sec-4)
3341	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Portable General Purpose Luminaires	Terminals	Cl.No.9 of IS 10322 (P-5/Sec-4)
3342	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Propeller type AC Ventilating Fans	SIZES	Cl.No.3 of IS 2312
3343	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Construction	Cl. No.2.7 of IEC 60598-2-2
3344	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	External & Internal Wiring	Cl.No.2.11 of IEC 60598-2-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 226 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3345	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Insulation Resistance & Electric Strength	Cl.No.15 of IS 10322 (P-5/Sec 2)
3346	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Protection against electric shock	Cl.No.2.12 of IEC 60598-2-2
3347	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Provision for Earthing	Cl.No.2.9 of IEC 60598-2-2
3348	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Provision for Earthing	Cl.No.9 of IS 10322 (P-5/Sec 2)
3349	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Recessed Luminaires	Cl.No.2.15 of IEC 60598-2-2
3350	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Resistance to dust & moisture	Cl. No.2.14 of IEC 60598-2-2
3351	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Resistance to heat, fire and Tracking	Cl.No.2.16 of IEC 60598-2-2
3352	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Terminals	Cl.No.2.10 of IEC 60598-2-2
3353	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Construction	Cl. No.7 of IS 10322 (P-5/Sec 2)
3354	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Creepage & Clearances	Cl.No.8 of IS 10322 (P-5/Sec 2)
3355	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Creepage & Clearances	Cl.No.2.8 of IEC 60598-2-2:
3356	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Endurance & Thermal test	Cl.No.13 of IS 10322 (P-5/Sec 2)
3357	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Endurance & Thermal test	Cl.No.2.13 of IEC 60598-2-2
3358	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	External & Internal Wiring	Cl.No.11 of IS 10322 (P-5/Sec 2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 227 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3359	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Marking	Cl.No.6 of IS 10322 (P-5/Sec 2)
3360	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Marking	Cl.No.2.6 of IEC 60598-2-2
3361	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Protection against electric shock	Cl.No.12 of IS 10322 (P-5/Sec 2)
3362	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Resistance to dust & moisture	Cl. No.14 of IS 10322 (P-5/Sec 2)
3363	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Resistance to heat, fire and Tracking	Cl.No.16 of IS 10322 (P-5/Sec 2)
3364	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Recessed Luminaires	Terminals	Cl.No.10 of IS 10322 (P-5/Sec 2)
3365	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3366	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Mechanical strength)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3367	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Mechanical strength-cold bend test)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3368	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Mechanical strength-winding of flexible pipe)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3369	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Terminals and supply connnection)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3370	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Terminals and supply connnection-Bendings)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3371	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Terminals and supply connnection-connection of conductors)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3372	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Terminals and supply connnection-Electrical endurance (CBC))	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 228 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3373	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Terminals and supply connnection-non accessibility of live parts)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3374	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Construction (Mechanical strength-impact test)	Cl.No.21.7 of IS 10322 (Part 5/Sec 9)
3375	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Creepage distances and Clearances	Cl. No.21.8 of IS 10322 (Part 5/Sec 9)
3376	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Endurance test & Thermal Test (Endurance test)	Cl. No.21.13 of IS 10322 (Part 5/Sec 9)
3377	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Endurance test & Thermal Test (Thermal test)	Cl. No.21.13 of IS 10322 (Part 5/Sec 9)
3378	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	External & Internal Wiring (cord anchorage test)	Cl. No.21.11 of IS 10322 (Part 5/Sec 9)
3379	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	External & Internal Wiring	Cl. No.21.11 of IS 10322 (Part 5/Sec 9)
3380	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	External & Internal Wiring(plugs and cable length)	Cl. No.21.11 of IS 10322 (Part 5/Sec 9)
3381	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Insulation Resistance & Electric Strength (Electric Strength)	Cl. No.21.15 of IS 10322 (Part 5/Sec 9)
3382	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Insulation Resistance & Electric Strength (Insulation Resistance test)	Cl. No.21.15 of IS 10322 (Part 5/Sec 9)
3383	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Marking	Cl.No.21.6 of IS 10322 (Part 5/Sec 9)
3384	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Protection against electric shock	Cl.No.21.12 of IS 10322 (Part 5/Sec 9)
3385	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Resistance to dust & moisture test	Cl. No.21.14 of IS 10322 (Part 5/Sec 9)
3386	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Resistance to heat, fire and Tracking	Cl.No.21.16 of IS 10322 (Part 5/Sec 9)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 229 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3387	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Resistance to heat, fire and Tracking	Cl.No.21.16 of IS 10322 (Part 5/Sec 9)
3388	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Rope Lights	Terminals	Cl. No. 21.10 of IS 10322 (Part 5/Sec 9)
3389	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Cap temperature rise	Cl. No. 11 of IS 15111 (Part 1)
3390	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Fault Condition	Cl. No. 14 of IS 15111 (Part 1)
3391	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Insulation resistance & electric strength after humidity treatment	Cl. No. 9 of IS 15111 (Part 1)
3392	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Interchangeability	Cl. No. 7 of IS 15111 (Part 1)
3393	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Marking	Cl. No. 6 of IS 15111 (Part 1)
3394	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Protection against electric shock	Cl. No. 8 of IS 15111 (Part 1)
3395	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Resistance to flame & ignition	Cl. No. 13 of IS 15111 (Part 1)
3396	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Resistance to Heat	Cl. No. 12 of IS 15111 (Part 1)
3397	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services	Torsion	Cl. No. 10 of IS 15111 (Part 1)
3398	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Dimension	Cl. No. 6 of IS 15111 (Part 2)
3399	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Emission (Radiated & conducted) of Radio Frequency Disturbance	Cl. No. 4.6 of IS 15111 (Part 2)
3400	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Harmonics	Cl. No. 14 of IS 15111 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	230 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3401	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Lamp Wattage	Cl. No. 9 of IS 15111 (Part 2)
3402	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Marking	Cl. No. 18 of IS 15111 (Part 2)
3403	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Power Factor	Cl. No. 16 of IS 15111 (Part 2)
3404	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self ballasted lamps for general lighting services (Performance Requirements)	Starting and Run-up test	Cl. No. 8 of IS 15111 (Part 2)
3405	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Cap temperature rise	Cl. No.10 of IS 16102(Part-1)
3406	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Dimension	Cl.No.6 of IEC 62612
3407	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Cap temperature rise	Cl. No.10 of IEC 62560
3408	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Creepage distance	Cl.No.14 of IS 16102(Part-1)
3409	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Creepage distance	Cl.No.14 of IEC 62560
3410	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Dimension	Cl.No.6 of IS 16102(Part-2)
3411	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Emission of radio frequency disturbances	Cl.No. 8.4 of IS 16102(Part-2)
3412	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Fault Condition	Cl. No.13 of IS 16102(Part-1)
3413	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Fault Condition	Cl. No.13 of IEC 62560
3414	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Harmonics	Cl.No.8.3 of IS 16102(Part-2)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 231 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3415	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Insulation Resistance and Electric Strength after humidity treatment	Cl.No.8 of IS 16102(Part-1)
3416	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Insulation Resistance and Electric Strength after humidity treatment	Cl.No.8 of IEC 62560
3417	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Interchangeability	Cl.No.6 of IS 16102(Part-1)
3418	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Interchangeability	Cl.No.6 of IEC 62560
3419	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Lamp input - lamp power - Power Factor	Cl. No.8 IEC 62612
3420	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Lamp input - lamp power - Power Factor	Cl. No.8 , 8.1, 8.2 IS 16102(Part-2)
3421	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Marking	Cl.No.5 of IS 16102(Part-1)
3422	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Marking	Cl.No.5 of IS 16102(Part-2)
3423	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Marking	Cl.No.5 of IEC 62560
3424	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for general lighting services	Marking	Cl.No.5 of IEC 62612
3425	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Mechanical Strength	Cl.No.9 of IS 16102(Part-1)
3426	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Mechanical Strength	Cl.No.9 of IEC 62560:
3427	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Protection against Accidental Contact with live part	Cl.No.7 of IS 16102(Part-1)
3428	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Protection against Accidental Contact with live part	Cl.No.7 of IEC 62560

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 232 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3429	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Resistance to flame and ignition	Cl.No.12 of IS 16102(Part-1)
3430	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Resistance to flame and ignition	Cl.No.12 of IEC 62560
3431	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Resistance to Heat	Cl.No.11 of IS 16102(Part-1)
3432	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Self-ballasted LED lamps for General Lighting Services	Resistance to Heat	Cl.No.11 of IEC 62560:
3433	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Creepage distance for caps	Cl.No.4.8 of IS 15687 (Part 1)
3434	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Electric Strength	Cl.No.4.5 of IS 15687 (Part 1)
3435	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Insulation Resistance	Cl. No.4.4 of IS 15687 (Part 1)
3436	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Lamp cap temperature rise	Cl.No.4.9 of IS 15687 (Part 1)
3437	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Mechanical Requirements for caps	Cl.No.4.3 of IS 15687 (Part 1)
3438	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Parts which can become accidentally live	Cl.No.4.6 of IS 15687 (Part 1)
3439	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Radio interference suppression capacitors	Cl. No.4.10 of IS 15687 (Part 1)
3440	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Single Capped fluorescent lamps	Resistance to heat & fire	Cl.No.4.7 of IS 15687 (Part 1)
3441	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Dielectric Strength	Cl. No. 7.5 of IS 2215
3442	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Insulation Resistance under humidity conditions	Cl. No. 7.4 of IS 2215

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 233 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3443	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Resistance to heat and fire	Cl. No.7.10 of IS 2215
3444	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Deactivated Lamp Test	Cl. No.10 of IS 2215
3445	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Dimensions	Cl. No.7.6 of IS 2215
3446	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Endurance Test	Cl.No. 9 of IS 2215
3447	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Heating of starter with operating time limitation	Cl. No. 7.13 of IS 2215
3448	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Marking, Quality of marking	Cl. No. 6 , Cl. 7.11 of IS 2215
3449	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Mechanical Strength	Cl.No.7.8 of IS 2215
3450	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Protection against accidental electric shocks	Cl. No.7.3 of IS 2215
3451	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Starting Test	Cl. No. 8 of IS 2215
3452	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Test for RFI suppression Capacitor Upto 65W)	Cl. No. 7.12 of IS 2215
3453	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Torsion Test	Cl. No. 7.7 of IS 2215
3454	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starter for TFL	Verification of Connections	Cl. No.7.9 of IS 2215
3455	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Creepage distances and clearances	Cl.No.19 of IS 15885(P2/Sec 1)
3456	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Construction	Cl.No.18 of IS 15885(P2/Sec 1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 234 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3457	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Electric Strength	Cl.No.12 of IS 15885(P2/Sec 1)
3458	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Fault Conditions	Cl. No.14 of IS 15885(P2/Sec 1)
3459	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Heating of Independent Starting Device	Cl.No.15 of IS 15885(P2/Sec 1)
3460	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Marking	Cl. No.7 of IS 15885(P2/Sec 1)
3461	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Mechanical Strength	Cl.No.17 of IS 15885(P2/Sec 1)
3462	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Moisture Resistance and Insulation	Cl.No.11 of IS 15885(P2/Sec 1)
3463	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Provisions for Protective Earthing	Cl.No.10 of IS 15885(P2/Sec 1)
3464	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Pulse Voltage of Ignitors	Cl.No.16 of IS 15885(P2/Sec 1)
3465	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Resistance to corrosion	Cl.No.22 of IS 15885(P2/Sec 1)
3466	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Resistance to heat and fire and Tracking	Cl. No.21 of IS 15885(P2/Sec 1)
3467	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Screw current carrying parts and connections	Cl. No.20 of IS 15885(P2/Sec 1)
3468	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Terminals	Cl.No.9 of IS 15885(P2/Sec 1)
3469	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starter)	Verification of Classification	Cl. No..6 of IS 15885(P2/Sec 1)
3470	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Terminals	Cl.No.8 of IS 12449 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	235 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3471	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Construction	Cl.No. 10 of IS 12449 (Part 1)
3472	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Creepage Distances and Clearances	Cl.No.18 of IS 12449 (Part 1)
3473	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Fault Conditions	Cl.No.13 of IS 12449 (Part 1)
3474	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Heating of Independent Starting Devices	Cl.No. 14 of IS 12449 (Part 1)
3475	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Insulation Resistance and Electric Strength	Cl.No.12 of IS 12449 (Part 1)
3476	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Marking	Cl. No.6 of IS 12449 (Part 1)
3477	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Marking	Cl. No.4 of IS12449 (Part 2)
3478	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Mechanical Strength	Cl.No.16 of IS 12449 (Part 1)
3479	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Protection Against Accidental Contact With Live Parts	Cl.No.7 of IS 12449 (Part 1)
3480	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting devices (other than glow starters)	Protection against accidental contact with live parts	Cl.No.8 of IS 15885(P2/Sec 1)
3481	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Provision For Earthing	Cl. No.9 of IS 12449 (Part 1)
3482	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Pulse Voltage (of Ignitors)	Cl. No.15 of IS 12449 (Part 1)
3483	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Resistance to Corrosion	Cl.No.20 of IS 12449 (Part 1)
3484	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Resistance To Dust and Moisture	Cl.No.11 of IS 12449 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	236 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3485	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Resistance To Heat, Fire and Tracking	Cl.No.19 of IS 12449 (Part 1)
3486	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Screws, Current Carrying Parts and Connections	Cl. No.17 of IS 12449 (Part 1)
3487	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Test For Performance Requirements For Starters: Starting Test, Endurance Test, De-activated Lamp Test	Cl.No.5.2 ,5.3 , 5.4 of IS12449 (Part 2)
3488	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Starting Devices (Other Than Glow Starters)	Tests For Performance Requirements For Ignitors: Starting Test, Non-re-operation Level, Endurance Test	Cl.No.6.2, 6.3,6.4 of IS12449 (Part 2)
3489	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Creepage distance for caps	Cl. No. 4.8 of IS 2418 (Part 1)
3490	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Caps	Cl. No.5.1.2 of IS 2418 (Part 2)
3491	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Dimensions of caps	Cl. No. 4.3.2 of IS 2418 (Part 1)
3492	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Dimensions	Cl. No. 5.1.3 of IS 2418 (Part 2)
3493	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Electric strength	Cl. No. 4.5 of IS 2418 (Part 1)
3494	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Insulation Resistance	Cl. No. 4.4 of IS 2418 (Part 1)
3495	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Lamp cap Temperature Rise	Cl. No. 4.9 of IS 2418 (Part 1)
3496	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Lamp Minimum Overall Length	Cl. No. 4.10 of IS 2418 (Part 1)
3497	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Marking	Cl. No. 4.2 of IS 2418 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	237 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3498	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Marking	Cl. No. 6 of IS 2418 (Part 2)
3499	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Mechanical Requirements for caps - Construction and Assembly	Cl. No. 4.3, Cl. No. 4.3.1 of IS 2418 (Part 1)
3500	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Mechanical, Physical and starting Requirement, - Mechanical and Physical Requirement, - Glass Tubing	Cl. No. 5, Cl. No. 5.1, Cl. No. 5.1.1 of IS 2418 (Part 2)
3501	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Parts Which Can Become Accidentally Live	Cl. No. 4.6 of IS 2418 (Part 1)
3502	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Resistance to Heat and Fire	Cl. No. 4.7 of IS 2418 (Part 1)
3503	ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES	Tubular Fluorescent Lamps for general lighting services	Verification of marking	Cl. No. 7,7.3 of IS 2418 (Part 2)
3504	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Climatic Tests iii) Cold test	Cl.No. 7.10 of IS13314:1992,RA
3505	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Harmonic Contents	Cl. No. 7.11 of IS 13314:1992,RA
3506	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Harmonic Contents	Cl. No. 7.11 of IS 13314:1992,RA
3507	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	High Voltage Test	Cl. No. 7.6 of IS 13314:1992, RA
3508	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Insulation Resistance	Cl. No. 7.7 of IS 13314:1992 ,RA
3509	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Marking and Visual Inspection	Cl. No.6, Cl.7.5 of IS13314:1992 RA
3510	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	No load Test	Cl. No. 7.8 of IS 13314:1992, RA
3511	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	No load Test	Cl. No.7.8 of IS13314:1992,RA
3512	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Output Test (Except Efficiency)	Cl. No. 7.9 of IS 13314:1992,RA
3513	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Solid state Inverters run from storage batteries	Output Test (Except Efficiency)	Cl. No. 7.9 of IS 13314:1992,RA

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	238 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3514	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Backfeed protection test to Abnormal operation and simulated faults test	Cl. No.5.2.3.101 to 5.2.4 of IEC 62040-1
3515	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Non-accessibility test to enclosure integrity test	Cl.No.5.2.2.2 to 5.2.2.4 of IEC 62040-1
3516	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against hazards	Cl. No. 4 of IEC 62040-1
3517	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Temperature rise	Cl. No. 7.7 of IS 16242 (Part-1)
3518	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Connection to telecommunication networks	Cl. No.9 of IS 16242 (Part-1)
3519	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Connection to telecommunication networks	Cl. No. 9 of IS 16242 (Part-1)
3520	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Connection to telecommunication networks	Cl. No. 9 of IS 16242 (Part-1)
3521	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Electrical requirements & simulated abnormal conditions -General provisions for earth leakage - Electric strength - Abnormal operating and fault conditions	Cl. No. 8 of IS 16242 (Part-1)
3522	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Electrical requirements & simulated abnormal conditions -General provisions for earth leakage - Electric strength - Abnormal operating and fault conditions	Cl. No. 8 of IS 16242 (Part-1)
3523	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Electrical requirements & simulated abnormal conditions -General provisions for earth leakage - Electric strength - Abnormal operating and fault conditions	Cl. No. 8 of IS 16242 (Part-1)
3524	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Electrical requirements & simulated abnormal conditions -General provisions for earth leakage - Electric strength - Abnormal operating and fault conditions	Cl.No. 8 of IS 16242 (Part-1)
3525	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Markings and instructions	Cl. No. 4.7 of IS 16242 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 239 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3526	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Power Interfaces	Cl. No. 4.6 of IS 16242 (Part-1)
3527	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Power Interfaces	Cl. No. 4.6 of IS 16242 (Part-1)
3528	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Power Interfaces	Cl.No. 4.6 of IS 16242 (Part-1)
3529	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection against electric shock and energy hazards	Cl. No. 5.1 of IS 16242 (Part-1)
3530	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection against electric shock and energy hazards	Cl. No. 5.1 of IS 16242 (Part-1)
3531	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection of personnel - Safety interlocks	Cl. No. 5.6 of IS 16242 (Part-1)
3532	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protective earthing and bonding	Cl. No. 5.3 of IS 16242 (Part-1)
3533	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3534	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3535	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3536	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3537	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Resistance to fire	Cl. No. 7.5 of IS 16242 (Part-1)
3538	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Resistance to fire	Cl. No. 7.5 of IS 16242 (Part-1)
3539	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Temperature rise	Cl. No 7.7 of IS 16242 (Part-1)
3540	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Construction details	Cl. No. 7.4 of IS 16242 (Part-1)
3541	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	AC and DC power isolation	Cl. No. 5.4 of IS 16242 (Part-1)
3542	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Clearances, creepage distances & distances through insulation	Cl.No. 5.7 of IS 16242 (Part-1)
3543	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Construction details	Cl. No. 7.4 of IS 16242 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 240 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3544	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Mechanical strength	Cl. No. 7.3 of IS 16242 (Part-1)
3545	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Overcurrent and earth fault protection	Cl. No.5.5 of IS 16242 (Part-1)
3546	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Physical requirements - Enclosure	Cl. No. 7.1 of IS 16242 (Part-1)
3547	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protective earthing and bonding	Cl. No. 5.3 of IS 16242 (Part-1)
3548	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3549	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Requirements for auxiliary circuits	Cl. No. 5.2 of IS 16242 (Part-1)
3550	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Resistance to fire	Cl. No. 7.5 of IS 16242 (Part-1)
3551	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Resistance to fire	Cl. No. 7.5 of IS 16242 (Part-1)
3552	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Resistance to fire	Cl. No. 7.5 of IS 16242 (Part-1)
3553	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Stability	Cl. No. 7.2 of IS 16242 (Part-1)
3554	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Stability	Cl. No. 7.2 of IS 16242 (Part-1)
3555	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Wiring, connections and supply - General - Connection to power - Wiring terminals for external power conductors	Cl. No. 6 of IS 16242 (Part-1)
3556	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection of personnel - Safety interlocks	Cl. No. 5.6 of IS 16242 (Part-1)
3557	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Over current and Earth Fault Protection	Cl. No. 5.5 of IS 16242 (Part-1)
3558	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Physical requirements - Enclosure	Cl. No. 7.1 of IS 16242 (Part-1)
3559	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection of personnel - Safety interlocks	Cl. No. 5.6 of IS 16242 (Part-1)
3560	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS	Protection of personnel - Safety interlocks	Cl. No. 5.6 of IS 16242 (Part-1)
3561	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	AC Input current	Cl. No. 4.3.101 of IEC 62040-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	241 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3562	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	AC Input current	Cl. No. 4.3.101 of IEC 62040-1
3563	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Backfeed protection test to Abnormal operation and simulated faults test	Cl.No.5.2.3.101 to 5.2.4 of IEC 62040-1
3564	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Backfeed protection test to Abnormal operation and simulated faults test	Cl.No.5.2.3.101 to 5.2.4 of IEC 62040-1
3565	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Backfeed protection test to Abnormal operation and simulated faults test	Cl. No. 5.2.3.101 to 5.2.4 of IEC 62040-1
3566	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Backfeed protection test to Abnormal operation and simulated faults test	Cl.No.5.2.3.101 to 5.2.4 of IEC 62040-1
3567	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Clearance and creepage distances test	Cl. No.5.2.2.1 of IEC 62040-1
3568	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Deflection test to Steady force 250N	Cl.No. 5.2.2.4.2 to 5.2.2.4.2.3 of IEC 62040-1
3569	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Equipment with multiple source of supply	Cl. No. 4.8 of IEC 62040-1
3570	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Fault and abnormal conditions	Cl. No. 4.2 of IEC 62040-1
3571	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Impact test to handles and manual controls	Cl. No..5.2.2.4.3 to 5.2.2.7 of IEC 62040-1
3572	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Impulse voltage test to AC or DC voltage test	Cl. No. 5.2.3.2 to 5.2.3.4 of IEC 62040-1
3573	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Limited power source test	Cl. No. 5.2.3.9 of IEC 62040-1
3574	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Limited power source test	Cl. No. 5.2.3.9 of IEC 62040-1
3575	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Partial discharge test	Cl. No. 5.2.3.5 of IEC 62040-1
3576	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against electric shock	Cl. No. 4.4 of IEC 62040-1
3577	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against electric shock	Cl. No. 4.4 of IEC 62040-1
3578	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against electrical energy hazards	Cl. No 4.5 of IEC 62040-1:2017 , IEC 62477-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	242 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3579	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against electrical energy hazards	Cl. No. 4.5 of IEC 62040-1:2017 , IEC 62477-1
3580	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against environmental stresses	Cl.No. 4.9 of IEC 62040-1
3581	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against fire and thermal hazads	Cl. No. 4.6 of IEC 62040-1:2017, IEC 62477-1
3582	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against fire and thermal hazads	Cl. No.4.6 of IEC 62040-1:2017 ,IEC 62477-1
3583	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against mechanical hazards	Cl. No. 4.7 of IEC 62040-1
3584	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection against sonic pressure hazards	Cl. No. 4.10 of IEC 62040-1
3585	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Protection of the energy storage device	Cl. No. 4.3.104 of IEC 62040-1
3586	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Salt mist test	Cl. No.5.2.6.5 of IEC 62040-1
3587	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Short circuit and overload protection	Cl. No. 4.3 of IEC 62040-1
3588	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Stored energy source	Cl. No. 4.102 of 62040-1
3589	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Stored energy source	Cl. No. 4.102 of IEC 62040-1
3590	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Transformer protection	Cl. No. 4.3.102 of IEC 62040-1
3591	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Unsynchronized load transfer	Cl. No. 4.3.105 of IEC 62040-1
3592	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	UPS isolation and disconnect devices	Cl. 4.101 of IEC 62040-1
3593	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Vibration test	Cl. No. 5.2.6.4 of IEC 62040-1
3594	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS) – Part 1: Safety requirements	Wiring and connections	Cl. No. 4.11 of IEC 62040-1
3595	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	3 phase unbalance test	Cl. No. 6.4.2.5 of IEC 62040-3
3596	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	AC input failure test	Cl. No. 6.2.2.7 of IEC 62040-3
3597	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	AC input return test	Cl. No. 6.2.2.8 of IEC 62040-3

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 243 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3598	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Battery ripple current measurement test	Cl. No. 6.4.4.3 of IEC 62040-3
3599	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Cable and interconnection check	Cl.No. 6.2.2.2 of IEC 62040-3
3600	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	DC component test	Cl. No. 6.4.2.6 of IEC 62040-3
3601	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	DC component test	Cl. No. 6.4.2.6 of IEC 62040-3
3602	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Efficiency test	Cl. No. 6.4.1.6 of IEC 62040-3
3603	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Fault clearing capability-normal mode test Fault clearing capability-normal mode test	Cl. No. 6.4.2.10.3 of IEC 62040-3
3604	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Fault clearing capability-stored energy mode test	Cl. No. 6.4.2.10.4 of IEC 62040-3
3605	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Free fall test	Cl. No. 6.5.2.2 of IEC 62040-3
3606	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Full load test	Cl. No. 6.2.2.5 of IEC 62040-3
3607	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Input frequency tolerances test	Cl. No. 6.4.1.2 of IEC 62040-3
3608	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Inrush current test	Cl. No. 6.4.1.3 of IEC 62040-3
3609	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Light load and function test	Cl. No. 6.2.2.3 of IEC 62040-3
3610	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	No load test	Cl. No. 6.2.2.4 of IEC 62040-3
3611	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Normal mode-full load test	Cl. No. 6.4.2.2 of IEC 62040-3
3612	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Normal mode-no load test	Cl. No. 6.4.2.1 of IEC 62040-3
3613	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Normal to stored energy mode test	Cl. No. 6.4.2.11.1 to 6.4.3.3.4 of IEC 62040-3
3614	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Output overload test	Cl. No. 6.4.2.8 of IEC 62040-3
3615	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Overload –normal mode test	Cl. No. 6.4.2.10.1 of IEC 62040-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	244 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3616	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Overload –stored energy mode	Cl. No. 6.4.2.10.2 of IEC 62040-3
3617	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Restore energy time test	Cl. No. 6.4.4.2 of IEC 62040-3
3618	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Shock test	Cl. No. 6.5.2.1 of IEC 62040-3
3619	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Steady –state input voltage tolerances test	Cl.No. 6.4.1.1 of IEC 62040-3
3620	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Storage test	Cl. No. 6.5.3 to 6.5.5 of IEC 62040-3
3621	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Storage test	Cl. No. 6.5.3 to 6.5.5 of IEC 62040-3
3622	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Store energy time test	Cl. No 6.4.4.1 of IEC 62040-3
3623	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Store energy time test	Cl. No. 6.4.4.1 of IEC 62040-3
3624	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Stored energy mode- no load test	Cl. No. 6.4.2.3 of IEC 62040-3
3625	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Stored energy mode-full load test	Cl. No. 6.4.2.4 of IEC 62040-3
3626	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)- PART 3: Method of specifying the performance and test requirements	Transfer by bypass test	Cl. No. 6.2.2.9 of IEC 62040-3
3627	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)-Part 1: General and safety requirements for UPS	Battery location	Cl. No. 7.6 of IS 16242 (Part-1)
3628	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)-Part 1: General and safety requirements for UPS	Over current and Earth Fault Protection	Cl. No. 5.5 of IS 16242 (Part-1)
3629	ELECTRICAL- POWER SUPPLIES & STABILIZERS	Uninterruptible power systems (UPS)-Part 1: General and safety requirements for UPS	Over current and Earth Fault Protection	Cl. No. 5.5 of IS 16242 (Part-1)
3630	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Endurance	Cl. No.16 of IS 374
3631	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Interchangeability	Cl.No.12 of IS 374
3632	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Marking & Instructions	Cl. No.8 of IS 374
3633	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Measurement of Power Factor and Power Input	Cl. No.14.5 of IS 374
3634	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Measurement of Speed of the Fan	Cl.No.14.4 of IS 374

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	245 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3635	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Performance Requirements -Air delivery and Service value	Cl. 14.3 & Cl. No.15 of IS 374
3636	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Silent operation	Cl. No.13 of IS 374
3637	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Speed Regulators	Cl. No.10 of IS 374
3638	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Starting	Cl.No.11 of IS 374
3639	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Test for harmonic distortion	Cl. No.17 of IS 374
3640	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Ceiling Type Fans	Verification of Rating (Measurement of Sweep Size of Fan)	Cl.No. 6.2 of IS 374
3641	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal type fans and regulators	Air delivery	Cl. No.16.2 of IS : 1169
3642	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Ac leakage test	Cl. No.16.8 of IS 1169
3643	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Cord grip test	Cl. No.16.5 of IS 1169
3644	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Design and general construction	Cl.No.6 of IS 1169
3645	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Earthing continuity test	Cl.No.16.10 of IS 1169
3646	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Electrical Input Test	Cl.No.16.11 of IS 1169
3647	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	HEIGHT OF FAN	Cl. No.8 of IS 1169
3648	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	High voltage test & Flash test	Cl.No.16.9 & Cl.16.13 of IS 1169
3649	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Insulating Materials (Verification of type of insulation class)	Cl. No. 9 of IS 1169
3650	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Insulation-Resistance test	Cl. No.16.14 of IS 1169
3651	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Interchangeability	Cl.No.12 of IS 1169
3652	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Marking	Cl.No.15 of IS 1169

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	246 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3653	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Measurement of fan speed	Cl. No.16.12 of IS 1169
3654	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Mechanical endurance test for regulators only	Cl. No.16.6 of IS 1169
3655	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Moistureproofness (for regulators only)	Cl.No.16.4 of IS 1169
3656	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Oscillating mechanism	Cl. No.14 of IS 1169
3657	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Power factor test	Cl. No.16.7 of IS 1169
3658	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Silent operation	Cl. No.13 of IS 1169
3659	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Sizes, speeds and types (Measurement of sweep size and speed)	Cl.No.3 of IS 1169
3660	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Speed regulators	Cl.No.10 of IS 1169
3661	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Starting	Cl. No.11 of IS 1169
3662	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric pedestal types fans and regulators	Temperature- rise of fan motor and regulator	Cl.No.16.3 of IS 1169
3663	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Air Delivery	Cl. No. 10.3 of IS 555
3664	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Cord Grip	Cl. No.10.14 of IS 555
3665	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Creepage distances and clearances	Cl. No. 10.16 of IS 555
3666	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Design and general construction	Cl. No.6 of IS 555
3667	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Earthing Connection	Cl. No.10.10 of IS 555
3668	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Fan Speed & Input	Cl. No. 10.9 of IS 555
3669	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Fan Speed & Input	Cl. No.10.9 of IS 555
3670	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	General & Safety Requirement	Cl. No.7 of IS 555

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	247 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3671	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	High Voltage	Cl. No.10.6 of IS 555:1979, RA
3672	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Insulation Resistance	Cl. No.10.7 of IS 555
3673	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Leakage Current	Cl. No.10.5 of IS 555
3674	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Marking	Cl. No.9 of IS 555
3675	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Mechanical Endurance (for Regulators only)	Cl. No.10.13 of IS 555
3676	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Moisture Resistance	Cl. No.10.12 of IS 555
3677	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Oscillating Mechanism	Cl. No.10.15 of IS 555
3678	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Protection Against Electric Shock	Cl. No.10.11 of IS 555
3679	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Sizes, speeds and types (Measurement of sweep size and speed)	Cl.No.3 of IS 555
3680	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Starting	Cl. No.10.8 of IS 555
3681	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Electric Table type fans & regulators	Temperature Rise	Cl.No.10.4 of IS 555
3682	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Construction	Cl.No.5 of IS 3315
3683	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Earthing connection tests	Cl.No. 8.2.6 of IS 3315
3684	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Finish tests	Cl. No. 8.2.7 of IS 3315
3685	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	General Running Tests	Cl. No.8.2.1 of IS 3315
3686	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	High voltage Tests	Cl. No.8.2.3 of IS 3315
3687	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Insulation resistance tests	Cl.No.8.2.4 of IS 3315
3688	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Leakage Current	Cl. No.8.2.5 of IS 3315

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	248 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3689	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Marking	Cl.No.15 of IS 3315
3690	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Performance Requirements -Air delivery test -Cooling efficiency -Power consumption -Noise level test	Cl. No.6 , 10.4 ,8.4.3, 8.4.2,8.2.8 of IS 3315
3691	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Evaporative Air Coolers (desert coolers)	Performance Requirements -Air delivery test -Cooling efficiency -Power consumption (Energy Consumption Test) -Noise level test	Cl. No.6 , 9.3,10.4 ,8.4.2,8.4.3, 8.2.8 of IS 3315
3692	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Abnormal Operation	Cl.No.19.1 to Cl.19.13, Cl.19.101 of 101 of IEC 60335-2-80
3693	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Abnormal Operation	Cl.No.19.1 to Cl.19.13, Cl.19.101 of IS 302-2-80
3694	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Clearance, Creepage distances and solid insulation	Cl. No,29 of IEC 60335-2-80
3695	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Clearance, Creepage distances and solid insulation	Cl. No,29 of IS 302-2-80
3696	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Construction	Cl.No.22, Cl. No. 22.101, Cl.No.22.102 & Cl.No.22.103 of IEC 60335-2-80
3697	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Construction	Cl.No.22, Cl.No. 22.101, Cl.No.22.102 & Cl.No.22.103 of IS 302-2-80
3698	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Heating	Cl.No.11 of IEC 60335-2-80
3699	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Heating	Cl.No.11 of IS 302-2-80
3700	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Internal Wiring	Cl.No.23 of IEC 60335-2-80
3701	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Internal Wiring	Cl.No.23 of IS 302-2-80

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	249 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3702	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl.No.16 of IEC 60335-2-80
3703	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl.No.16 of IS 302-2-80
3704	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl.No.13 of IEC 60335-2-80
3705	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl.No.13 of IS 302-2-80
3706	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	MARKING AND INSTRUCTIONS	Cl.No.7 of IEC 60335-2-80
3707	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	MARKING AND INSTRUCTIONS	Cl.No.7 of IS 302-2-80
3708	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Mechanical Strength	Cl.No.21, Cl.No.21.101 , Cl.21.102 of IEC 60335-2-80
3709	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Mechanical Strength	Cl.No.21, Cl.No.21.101 , Cl.21.102 of IS 302-2-80
3710	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Moisture Resistance Test	Cl.No.15 of IEC 60335-2-80
3711	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Moisture Resistance Test	Cl.No.15 of IS 302-2-80
3712	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Overload Protection Of Transformers And Associated Circuits	Cl.No.17 of IEC 60335-2-80
3713	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATED CIRCUITS	Cl.No.17 of IS 302-2-80
3714	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	POWER INPUT AND CURRENT	Cl.No.10 of IEC 60335-2-80

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 250 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3715	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	POWER INPUT AND CURRENT	Cl.No.10 of IEC 60335-2-80
3716	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	POWER INPUT AND CURRENT	Cl.No.10 of IS 302-2-80
3717	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	POWER INPUT AND CURRENT	Cl.No.10 of IS 302-2-80
3718	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	PROTECTION AGAINST ACCESS TO LIVE PARTS	Cl.No.8 of IEC 60335-2-80
3719	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	PROTECTION AGAINST ACCESS TO LIVE PARTS	Cl.No.8 of IS 302-2-80
3720	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Provision For Earthing	Cl.No.27 of IEC 60335-2-80
3721	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Provision For Earthing	Cl.No.27 of IS 302-2-80
3722	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Resistance to heat and Fire (Ball pressure test Glow wire test Needle flame test)	Cl.30 , Cl.30.1,Cl.30.2 of IEC 60335-2-80
3723	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Resistance to heat and Fire (Ball pressure test Glow wire test Needle flame test)	Cl.30 , Cl.30.1,Cl.30.2 of IS 302-2-80
3724	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Resistance to Rusting	Cl.No.31 of IEC 60335-2-80
3725	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Resistance to Rusting	Cl.No.31 of IS 302-2-80
3726	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Screws and Connections	Cl. No.28 of IEC 60335-2-80
3727	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Screws and Connections	Cl. No.28 of IS 302-2-80
3728	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Stability and Mechanical Hazards	Cl. No. 20, Cl. No.20.101 to Cl.20.102 of IEC 60335-2-80

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 251 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3729	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Stability and Mechanical Hazards	Cl. No. 20, Cl. No.20.101 to Cl.20.102 of IS 302-2-80
3730	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Supply Connection And External Flexible Cords	Cl.No.25 of IEC 60335-2-80
3731	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Supply Connection And External Flexible Cords	Cl.No.25 of IS 302-2-80
3732	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Terminal For External Conductors	Cl.No.26 of IEC 60335-2-80
3733	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Terminal For External Conductors	Cl.No.26 of IS 302-2-80
3734	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Toxicity and Similar Hazards	Cl.No.32 of IEC 60335-2-80
3735	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Toxicity and Similar Hazards	Cl.No.32 of IS 302-2-80
3736	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Transient Over Voltages	Cl.No.14 of IEC 60335-2-80
3737	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	TRANSIENT OVERVOLTAGES	Cl.No.14 of IS 302-2-80
3738	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Verification of Components	Cl. No.24 of IEC 60335-2-80
3739	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Fans a) Ceiling Fans, b) Duct Fans, c) Partition Fans, d) Pedestal Fans, e) Table Fans, f) Ventilation fans with or without controls (regulators)	Verification of Components	Cl. No.24 of IS 302-2-80
3740	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	COMPONENT PARTS	Cl. No.6 of IS 4665 (Part-1)
3741	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	ABNORMAL OPERATION	Cl. No.14 of IS 4665 (Part-1)
3742	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Abnormal Operation	Cl.No.20.13 of IS 4665 (Part-1)
3743	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Construction	Cl. No.5 of IS 4665 (Part-1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	252 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3744	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Construction	Cl. No.5,6 of IS 4665 (Part-1)
3745	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	CREEPAGE DISTANCES, CLEARANCES AND DISTANCES THROUGH INSULATION	Cl. No.18 of IS 4665 (Part-1)
3746	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Endurance	Cl. No.20.10 of IS 4665 (Part-1)
3747	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	High voltage	Cl. No.20.7 of IS 4665 (Part-1)
3748	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Input And Current	Cl.No.12 of IS 4665 (Part-1)
3749	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Insulation resistance (dry)	Cl. No.20.8 of IS 4665 (Part-1)
3750	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Leakage current	Cl. No.20.6 of IS 4665 (Part-1)
3751	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	MARKING	Cl. No.19 of IS 4665 (Part-1)
3752	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Mechanical Strength	Cl. No.20.12 of IS 4665 (Part-1)
3753	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Moisture Resistance	Cl. No.20.9 of IS 4665 (Part-1)
3754	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Protection Against Direct contact	Cl.No.20.3 of IS 4665 (Part-1)
3755	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	PROTECTION AGAINST ELECTRIC SHOCK	Cl. No.7 of IS 4665 (Part-1)
3756	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	PROTECTION AGAINST MOVING PARTS	Cl. No.9 of IS 4665 (Part-1)
3757	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	PROVISION FOR EARTHING	Cl. No.8 of IS 4665 (Part-1)
3758	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Resistance to heat	Cl. No.20.16 of IS 4665 (Part-1)
3759	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Resistance to Rusting	Cl. No.20.18 of IS 4665 (Part-1)
3760	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Resistance to Tracking	Cl. No. 20.17 of IS 4665 (Part-1)
3761	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Screws and connections	Cl. No.20.15 of IS 4665 (Part-1):1984 ,RA

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	253 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3762	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	SCREWS AND CONNECTIONS	Cl. No.17 of IS 4665 (Part-1)
3763	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Stability	Cl. No.20.11 of IS 4665 (Part-1)
3764	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Starting	Cl.No.20.4 of IS 4665 (Part-1)
3765	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	SUPPLY CONNECTION	Cl. No.15 of IS 4665 (Part-1)
3766	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Supply Connections	Cl.No.20.14 of IS 4665 (Part-1)
3767	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	Temperature Rise	Cl. No.20.5 of IS 4665 (Part-1):1984 ,RA
3768	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	TEMPERATURE.RISE	Cl. No.13 of IS 4665 (Part-1)
3769	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable Electric Motor Operated Tools	TERMINALS FOR CONNECTION OF FLEXIBLE CORDS	Cl. No.16 of IS 4665 (Part-1)
3770	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable electric motor-operated tools (Drills, Screwdriver and Impact Wrenches, Grinder, Polishers and Disc-Type Sanders, Sanders, Circular Saws and Circular Knives, Hammers, Spray Guns)	Endurance	Cl. No.20.10 of IS 4665 (Part 2)
3771	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable electric motor-operated tools: (Drills, Screw driver and Impact Wrenches, Grinder, Polishers and Disc-Type Sanders, Circular Saws and Circular Knives, Hammers, Spray Guns)	Protection Against Moving Parts	Cl. No.9 of IS 4665 (Part – II)
3772	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable electric motor-operated tools: (Drills, Screw driver and Impact Wrenches, Grinder, Polishers and Disc-Type Sanders, Sanders, Circular Saws and Circular Knives, Hammers, Spray Guns)	Power Input And Current	Cl. No.12 of IS 4665 (Part – II)
3773	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Portable electric motor-operated tools: (Drills, Screwdriver and Impact Wrenches, Grinder, Polishers and Disc-Type Sanders, Sanders, Circular Saws and Circular Knives, Hammers, Spray Guns)	Temperature-Rise test	Cl. No.20.5 of IS 4665 (Part 2)
3774	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	AC Leakage	Cl.No.14.7 of IS 2312
3775	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Air Delivery (Square Duct)	Cl. No.14.2 of IS 2312
3776	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	DESIGN AND GENERAL CONSTRUcnON	Cl. No.6 of IS 2312
3777	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Earthing Continuity	Cl. No.14.10 of IS 2312

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	254 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3778	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Electrical Input	Cl.No.14.11 of IS 2312
3779	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Fan speed	Cl.No.14.12 of IS 2312
3780	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	FINISH	Cl. No.7 of IS 2312
3781	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Flash Test	Cl. No.14.13 of IS 2312
3782	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	High Voltage Test	Cl.No.14.8 of IS 2312
3783	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Insulating Materials (Verification of type of insulation class)	Cl. No.8 of IS 2312
3784	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Insulation resistance	Cl.No.14.9 of IS 2312
3785	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Interchangeability	Cl. No.11 of IS 2312
3786	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Marking	Cl. No.13 of IS 2312
3787	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Mechanical Endurance (for regulators only)	Cl.No.14.5 of IS 2312
3788	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Moisture Proofness (for regulators only)	Cl.No.14.4 of IS 2312
3789	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Power Factor	Cl.No.14.6 of IS 2312
3790	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Protection Against Direct contact	Cl. No.6.11 of IS 2312
3791	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Silent Operation	Cl.No.12 of IS 2312
3792	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	SPEED REGULATORS	Cl. No.9 of IS 2312
3793	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Starting	Cl.No.10.1 of IS 2312
3794	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Propeller type AC Ventilating Fans	Temperature Rise	Cl.No.14.3 of IS 2312
3795	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	General Requirements	Cl. No.11. of IS 8472

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	255 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3796	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Designing Features For Monoset	Cl.No.10 of IS 8472
3797	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Direction of Rotation	Cl. No. 8 of IS 8472
3798	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Factor Affecting Pump Performance	Cl. No.9 of IS 8472
3799	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Marking	Cl. No. 16 of IS 8472
3800	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Materials of Construction	Cl. No. 7 of IS 8472
3801	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Pump Test (Hydrostatic Test and Self Priming Test)	Cl. No.12 of IS 8472
3802	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Self priming test	Cl. No.12.5 of IS 8472
3803	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Test For Electrical Performance	Cl. No.13.1 & 13.2 of IS 8472
3804	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Test For Electrical Performance	Cl. No.13.1 & 13.2 of IS 8472
3805	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Test For Electrical Performance	Cl. No.13.1 & 13.2 of IS 8472
3806	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Test For Electrical Performance	Cl. No.13.1 & 13.2 of IS 8472
3807	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pump-regenerative for clear, cold water	Test For Electrical Performance	Cl. No.13.1 & 13.2 of IS 8472
3808	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	General requirements	Cl.6 of IS 11951
3809	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Dimensions and ratings (Discharge Test)	Cl.4 of IS 11951
3810	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Dimensions and ratings (RPM Test)	Cl.4 of IS 11951
3811	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Ingress Protection Test (IP 44)	Cl.7.3.2 of IS 11951
3812	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Marking	Cl.9 of IS 11951
3813	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Prime mover	Cl.5 of IS 11951
3814	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Prime mover	Cl.5 of IS 11951

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	256 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3815	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Tests (Discharge Test)	Cl.7.1 of IS 11951
3816	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Tests (Insulation Resistance Test)	Cl.7.2 of IS 11951
3817	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Pumpset for Desert Coolers	Type Test (Pump runing Test)	Cl.7.3 of IS 11951
3818	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Dimension	Cl. No.7 of IS 996
3819	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Duty & Rating	Cl. No.8 of IS 996
3820	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	General Construction	Cl. No.9 of IS 996
3821	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	High Voltage	Cl. No.13 of IS 996
3822	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Insulation Resistance	Cl. No.12.7 of IS 996
3823	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Limits of Vibration Severity	Cl. No. 12.6 of IS 996
3824	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Marking and Diagram of Connections	Cl. No.16 of IS 996
3825	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Method of Cooling	Cl. No.11 of IS 996
3826	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Moisture Proofness	Cl. No.13.2 of IS 996
3827	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Short Time Rating	Cl.No.12.3 of IS 996
3828	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Temperature Rise	Cl. No.12.2 of IS 996
3829	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Terminal Markings	Cl.No.14 of IS 996:
3830	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Test for full load performance at rated voltage and frequency	Cl. No.12.5.1 of IS 996
3831	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Test for No load current, Power Input and Speed at rated Voltage and Frequency	Cl.No.17.3(a) of IS 996
3832	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Test for No load current, Power Input and Speed at rated Voltage and Frequency	Cl.No.17.3(a) of IS 996

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	257 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3833	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Torque	Cl.No.12.1 of IS 996
3834	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Single Phase small AC electric motors	Type of Enclosures (IP Test)	Cl. No. 10 of IS 996
3835	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Electric Insulation and (a) Leakage current at Operating Temperature (b) High Voltage	Cl. No. 13 of IS 302-2-209
3836	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Input And Current	Cl. No. 10 of IS 302-2-209
3837	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Resistance to heat, Fire and Tracking.	Cl. No. 30 of IS 302-2-209
3838	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Screws and Connections	Cl. No. 28 of IS 302-2-209
3839	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-209
3840	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Verification of Components	Cl. No. 24 of IS 302-2-32
3841	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Terminal For External Conductor	Cl. No. 26 of IS 302-2-15
3842	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Abnormal Operation	Cl. No. 19 of IEC 60335-2-15
3843	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Abnormal Operation	Cl. No. 19 of IEC 60335-2-15
3844	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Abnormal Operation	Cl. No. 19 of IS 302-2-15
3845	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Abnormal Operation	Cl. No. 19 of IS 302-2-15
3846	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IEC 60335-2-15
3847	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-15
3848	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Construction	Cl. No. 22 of IEC 60335-2-15
3849	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Construction	Cl. No. 22 of IS 302-2-15
3850	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Heating	Cl. No. 11 of IEC 60335-2-15

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 258 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3851	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Heating	Cl. No. 11 of IS 302-2-15
3852	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Internal Wiring	Cl. No. 23 of IEC 60335-2-15
3853	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Internal Wiring	Cl. No. 23 of IS 302-2-15
3854	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength (a) Leakage Current	Cl. No. 16 of IS 302-2-15
3855	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength (b) High voltage	Cl. No. 16 of IS 302-2-15
3856	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength (a) Leakage Current	Cl. No. 16 of IEC 60335-2-15
3857	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength (b) High Voltage	Cl. No. 16 of IEC 60335-2-15
3858	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current	Cl. No. 13 of IEC 60335-2-15
3859	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current	Cl. No. 13 of IS 302-2-15
3860	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength At Operating Temperature (b) High Voltage	Cl. No. 13 of IEC 60335-2-15
3861	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Leakage Current And Electric Strength At Operating Temperature (b) High Voltage	Cl. No. 13 of IS 302-2-15
3862	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Marking & Instructions	Cl. No. 7 of IEC 60335-2-15
3863	ELECTRICAL- SAFETY TESTING FACILITY	Appliances For Heating Liquids	Marking & Instructions	Cl. No. 7 of IS 302-2-15
3864	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Mechanical Strength	Cl. No. 21 of IEC 60335-2-15
3865	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Mechanical Strength	Cl. No. 21 of IS 302-2-15
3866	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Moisture Resistance Test	Cl. No. 15 of IEC 60335-2-15
3867	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Moisture Resistance Test	Cl. No. 15 of IS 302-2-15

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	259 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3868	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IEC 60335-2-15
3869	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IS 302-2-15
3870	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Power Input And Current	Cl. No. 10 of IEC 60335-2-15
3871	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Power Input And Current	Cl. No. 10 of IEC 60335-2-15
3872	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Power Input And Current	Cl. No. 10 of IS 302-2-15
3873	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Power Input And Current	Cl. No. 10 of IS 302-2-15
3874	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-15
3875	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-15
3876	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Provision For Earthing	Cl. No. 27 of IEC 60335-2-15
3877	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Provision For Earthing	Cl. No. 27 of IS 302-2-15
3878	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Resistance to heat and Fire	Cl. No. 30 of IEC 60335-2-15
3879	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Resistance to heat and Fire	Cl. No. 30 of IS 302-2-15
3880	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-15
3881	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Resistance to Rusting	Cl. No. 31 of IS 302-2-15
3882	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Screws and Connections	Cl. No. 28 of IEC 60335-2-15
3883	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Screws and Connections	Cl. No. 28 of IS 302-2-15
3884	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-15
3885	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-15

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 260 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3886	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-2-15
3887	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-15
3888	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Terminal For External Conductor	Cl. No. 26 of IEC 60335-2-15
3889	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-2-15
3890	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-15
3891	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Transient Over Voltages	Cl. No. 14 of IEC 60335-2-15
3892	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Transient Over Voltages	Cl. No. 14 of IS 302-2-15
3893	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Verification of Components	Cl. No. 24 of IEC 60335-2-15
3894	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for heating liquids	Verification of Components	Cl. No. 24 of IS 302-2-15
3895	ELECTRICAL- SAFETY TESTING FACILITY	Appliances For Skin & Hair Care	Marking & Instructions	Cl. No. 7 of IEC 60335-2-23
3896	ELECTRICAL- SAFETY TESTING FACILITY	Appliances For Skin & Hair Care	Marking & Instructions	Cl. No. 7 of IS 302-2-23
3897	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Abnormal Operation	Cl. No. 19 of IEC 60335-2-23
3898	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IEC 60335-2-23
3899	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current	Cl. No. 13 of IEC 60335-2-23
3900	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Mechanical Strength	Cl. No. 21 of IEC 60335-2-23
3901	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Moisture Resistance Test	Cl. No. 15 of IEC 60335-2-23
3902	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-2-23
3903	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-2-23

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 261 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3904	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Verification of Components	Cl. No. 24 of IEC 60335-2-23
3905	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Abnormal Operation	Cl. No. 19 of IS 302-2-23
3906	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-23
3907	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Construction	Cl. No. 22 of IEC 60335-2-23
3908	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Construction	Cl. No. 22 of IS 302-2-23
3909	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Heating	Cl. No. 11 of IEC 60335-2-23
3910	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Heating	Cl. No. 11 of IS 302-2-23
3911	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Internal Wiring	Cl. No. 23 of IEC 60335-2-23
3912	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Internal Wiring	Cl. No. 23 of IS 302-2-23
3913	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength (Cl.16) (a) Leakage Current (b) High Voltage	Cl. No. 16 of IEC 60335-2-23
3914	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength (Cl.16) (a) Leakage Current (b) High Voltage	Cl. No. 16 of IS 302-2-23
3915	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current	Cl. No. 13 of IS 302-2-23
3916	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength At Operating Temperature (b) High Voltage	Cl. No. 13 of IEC 60335-2-23
3917	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Leakage Current And Electric Strength At Operating Temperature (b) High Voltage	Cl. No. 13 of IS 302-2-23
3918	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Mechanical Strength	Cl. No. 21 of IEC 60335-2-23
3919	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Mechanical Strength	Cl. No. 21 of IS 302-2-23
3920	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Moisture Resistance Test	Cl. No. 15 of IS 302-2-23

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	262 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3921	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IEC 60335-2-23
3922	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IS 302-2-23
3923	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Power Input And Current	Cl. No. 10 of IEC 60335-2-23
3924	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Power Input And Current	Cl. No. 10 of IEC 60335-2-23
3925	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Power Input And Current	Cl. No. 10 of IS 302-2-23
3926	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Power Input And Current	Cl. No. 10 of IS 302-2-23
3927	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-23
3928	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-23
3929	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Provision For Earthing	Cl. No. 27 of IEC 60335-2-23
3930	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Provision For Earthing	Cl. No. 27 of IS 302-2-23
3931	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Resistance to heat and Fire	Cl. No. 30 of IEC 60335-2-23
3932	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Resistance to heat and Fire	Cl. No. 30 of IS 302-2-23
3933	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-23
3934	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Resistance to Rusting	Cl. No. 31 of IS 302-2-23
3935	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Screws and Connections	Cl. No. 28 of IS 302-2-23
3936	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Screws and Connections	Cl. No. 28 of IEC 60335-2-23
3937	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-23
3938	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-23

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	263 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3939	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-2-23
3940	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-23
3941	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Terminal For External Conductor	Cl. No. 26 of IS 302-2-23
3942	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Terminal For External Conductors	Cl. No. 26 of IEC 60335-2-23
3943	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-23
3944	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-2-23
3945	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Transient Over Voltages	Cl. 14 of IS 302-2-23
3946	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Transient Over Voltages	Cl. No. 14 of IEC 60335-2-23
3947	ELECTRICAL- SAFETY TESTING FACILITY	Appliances for skin or hair care	Verification of Components	Cl. No. 24 of IS 302-2-23
3948	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Abnormal Operation	Cl.19.1 to Cl.19.13 of IS 3724
3949	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Clearances, Creepage distances and Solid insulation	Cl.29 of IS 3724
3950	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Components (Only Visual examination)	Cl. 24 of IS 3724
3951	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Construction	Cl. 22.101 to Cl. 22.106 of IS 3724
3952	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Construction	Cl. 22.107 of IS 3724
3953	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Construction	Cl. 22.1 to Cl. 22.48 of IS 3724
3954	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Endurance Test	Cl. 18 of IS 3724
3955	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Heating	Cl. 11 of IS 3724
3956	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Internal Wiring	Cl. 23 of IS 3724

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 264 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3957	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl.16 of IS 3724
3958	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 3724
3959	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Marking & Instructions	Cl. 7 of IS 3724
3960	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Mechanical Strength	Cl. 21 of IS 3724
3961	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Moisture Resistance Test	Cl. 15 of IS 3724
3962	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Power Input And Current	Cl. 10 of IS 3724
3963	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Power Input And Current	Cl. 10 of IS 3724
3964	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Protection Against Access To Live Parts	Cl. 8 of IS 3724
3965	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Resistance to heat and Fire	Cl.30 of IS 3724
3966	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Resistance to Rusting	Cl. 31 of IS 3724
3967	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Screws and Connections	Cl. 28 of IS 3724
3968	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Supply Connection And External Flexible Cords	Cl. 25 of IS 3724
3969	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Terminal For External Conductors	Cl. 26 of IS 3724
3970	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Toxicity and Similar Hazards	Cl.32 of IS 3724
3971	ELECTRICAL- SAFETY TESTING FACILITY	Cartridge type heating elements	Transient Over Voltages	Cl. 14 of IS 3724
3972	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliance	Power Input And Current	Cl. 10 of IEC 60335-2-6
3973	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliance	Provision For Earthing	Cl. 27 of IEC 60335-2-6
3974	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliance	Resistance to heat and Fire	Cl. 30 of IEC 60335-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	265 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3975	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliance	Resistance to heat and Fire	Cl. 30 of IS 302-2-6
3976	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliance	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-9
3977	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Marking & Instructions	Cl. 7 of IEC 60335-2-6
3978	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Power Input And Current	Cl. 10 of IEC 60335-2-6
3979	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Construction	Cl. 22 of IEC 60335-2-6
3980	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Marking & Instructions	Cl. 7 of IS 302-2-6
3981	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Power Input And Current	Cl. 10 of IS 302-2-6
3982	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Power Input And Current	Cl. 10 of IS 302-2-6
3983	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Provision For Earthing	Cl. 27 of IS 302-2-6
3984	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Resistance to Rusting	Cl. No. 31 of IS 302-2-9
3985	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Screws and Connections	Cl. 28 of IEC 60335-2-9
3986	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens & Similar Appliances	Stability and Mechanical Hazards	Cl. 20 of IS 302-2-6
3987	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Moisture Resistance Test	Cl. 15 of IEC 60335-2-6
3988	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Internal Wiring	Cl. 23 of IS 302-2-6
3989	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Mechanical Strength	Cl. 21 of IEC 60335-2-6
3990	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IEC 60335-2-6
3991	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Protection Against Access To Live Parts	Cl. 8 of IEC 60335-2-6
3992	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Resistance to Rusting	Cl. 31 of IEC 60335-2-6

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 266 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
3993	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Terminal For External Conductor	Cl. 26 of IEC 60335-2-6
3994	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Terminal For External Conductor	Cl. 26 of IS 302-2-6
3995	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Toxicity and Similar Hazards	Cl. 32 of IEC 60335-2-6
3996	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Abnormal Operation	Cl. 19 of IEC 60335-2-6
3997	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Abnormal Operation	Cl. 19 of IS 302-2-6
3998	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Clearances, Creepage distances and Solid insulation	Cl. 29 of IEC 60335-2-6
3999	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Clearances, Creepage distances and Solid insulation	Cl. 29 of IS 302-2-6
4000	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Construction	Cl. 22 of IS 302-2-6
4001	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Internal Wiring	Cl. 23 of IEC 60335-2-6
4002	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IS 302-2-6
4003	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IEC 60335-2-6
4004	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 302-2-6
4005	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IEC 60335-2-6
4006	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Mechanical Strength	Cl. 21 of IS 302-2-6
4007	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Moisture Resistance Test	Cl. 15 of IS 302-2-6
4008	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IS 302-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	267 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4009	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Protection Against Access To Live Parts	Cl. 8 of IS 302-2-6
4010	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Resistance to Rusting	Cl. 31 of IS 302-2-6
4011	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Screws and Connections	Cl. 28 of IS 302-2-6
4012	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Stability and Mechanical Hazards	Cl. 20 of IEC 60335-2-6
4013	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Supply Connection And External Flexible Cords	Cl. 25 of IEC 60335-2-6
4014	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Supply Connection And External Flexible Cords	Cl. 25 of IS 302-2-6
4015	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Temperature Rise	Cl. 11 of IEC 60335-2-6
4016	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Temperature Rise	Cl. 11 of IS 302-2-6
4017	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Terminal For External Conductor	Cl. 26 of IEC 60335-2-6
4018	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Terminal For External Conductor	Cl. 26 of IS 302-2-6
4019	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Toxicity and Similar Hazards	Cl. 32 of IS 302-2-6
4020	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Transient Over Voltages	Cl. 14 of IEC 60335-2-6
4021	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Transient Over Voltages	Cl. 14 of IS 302-2-6
4022	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Verification of Components	Cl. 24 of IEC 60335-2-6
4023	ELECTRICAL- SAFETY TESTING FACILITY	Cooking Ranges, Hobs, Ovens and Similar Appliances	Verification of Components	Cl. 24 of IS 302-2-6
4024	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Abnormal Operation	Cl. 19 of IEC 60335-2-7
4025	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Abnormal Operation	Cl. 19 of IS 302-2-7
4026	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Clearances, Creepage distances and Solid insulation	Cl. 29 of IEC 60335-2-7
4027	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Clearances, Creepage distances and Solid insulation	Cl. 29 of IS 302-2-7

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 268 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4028	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Construction	Cl. 22 of IS 302-2-7
4029	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Construction	Cl. 22 of IEC 60335-2-7
4030	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Endurance test	Cl. 18 of IEC 60335-2-7
4031	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Endurance test	Cl. 18 of IS 302-2-7
4032	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Internal Wiring	Cl. 23 of IEC 60335-2-7
4033	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Internal Wiring	Cl. 23 of IS 302-2-7
4034	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IS 302-2-7
4035	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IS 302-2-7
4036	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IEC 60335-2-7
4037	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IEC 60335-2-7
4038	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 302-2-7
4039	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Marking & Instructions	Cl. 7 of IEC 60335-2-7
4040	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Marking and Instructions	Cl. 7 of IS 302-2-7
4041	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Mechanical Strength	Cl. 21 of IEC 60335-2-7
4042	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Mechanical Strength	Cl. 21 of IS 302-2-7
4043	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Moisture Resistance Test	Cl. 15 of IEC 60335-2-7

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 269 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4044	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Moisture Resistance Test	Cl. 15 of IS 302-2-7
4045	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IEC 60335-2-7
4046	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IS 302-2-7
4047	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Power Input And Current	Cl. 10 of IEC 60335-2-7
4048	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Power Input And Current	Cl. 10 of IS 302-2-7
4049	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Power Input And Current	Cl. 10 of IS 302-2-7
4050	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Protection Against Access To Live Parts	Cl. 8 of IEC 60335-2-7
4051	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Protection Against Access To Live Parts	Cl. 8 of IS 302-2-7
4052	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Resistance to heat and Fire	Cl. 30 of IEC 60335-2-7
4053	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Resistance to heat and Fire	Cl.30 of IS 302-2-7
4054	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Resistance to Rusting	Cl. 31 of IS 302-2-7
4055	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Resistance to Rusting	Cl.31 of IEC 60335-2-7
4056	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Screws and Connections	Cl. 28 of IEC 60335-2-7
4057	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Screws and Connections	Cl. 28 of IS 302-2-7
4058	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Stability and Mechanical Hazards	Cl.20 of IEC 60335-2-7
4059	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Stability and Mechanical Hazards	Cl.20 of IS 302-2-7
4060	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Supply Connection And External Flexible Cords	Cl. 25 of IEC 60335-2-7
4061	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Supply Connection And External Flexible Cords	Cl. 25 of IS 302-2-7

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	270 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4062	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Temperature rise	Cl. 11 of IEC 60335-2-7
4063	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Temperature rise	Cl. 11 of IS 302-2-7
4064	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Terminal For External Conductor	Cl. 26 of IS 302-2-7
4065	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Terminal For External Conductor	Cl. 26 of IEC 60335-2-7
4066	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Toxicity and Similar Hazards	Cl. 32 of IEC 60335-2-7
4067	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Toxicity and Similar Hazards	Cl. 32 of IS 302-2-7
4068	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Transient Over Voltage	Cl. 14 of IS 302-2-7
4069	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cloth Washing Machines	Transient Over Voltages	Cl. 14 of IEC 60335-2-7
4070	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Abnormal Operation	Cl. 19 of IS 5790
4071	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Construction	Cl. 22 of IS 5790
4072	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Creepage distance & Clearances	Cl. 29 of IS 5790
4073	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Electric Insulation and Leakage current at Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 5790
4074	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Endurance Test	Cl. 18 of IS 5790
4075	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cooking Ovens	Input and Current	Cl. 10 of IS 5790
4076	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Input and Current	Cl. 10 of IS 5790
4077	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Insulation Resistance and Electric Strength (After Humidity Treatment) (a) Leakage Current (b) High Voltage	Cl. 16 of IS 5790
4078	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Internal Wiring	Cl. 23 of IS 5790

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	271 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4079	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Cooking Ovens	Marking	Cl. 7 of IS 5790
4080	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Mechanical Strength	Cl. 21 of IS 5790
4081	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Moisture Resistance	Cl. 15 of IS 5790
4082	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Overload Protection	Cl. 17 of IS 5790
4083	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Protection Against Electric Shock	Cl. 8 of IS 5790
4084	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Provision For Earthing	Cl. 27 of IS 5790
4085	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Resistance to heat, Fire and Tracking	Cl. 30 of IS 5790
4086	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Resistance to Rusting	Cl.31 of IS 5790
4087	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Screws and Connection	Cl. 28 of IS 5790
4088	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Stability and Mechanical Hazards	Cl.20 of IS 5790
4089	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Supply Connection And External Flexible Cable and Cords	Cl. 25 of IS 5790
4090	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Temperature Rise	Cl. 11 of IS 5790
4091	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Terminal For External Conductor	Cl. 26 of IS 5790
4092	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Transient Over Voltages	Cl.14 of IS 5790
4093	ELECTRICAL- SAFETY TESTING FACILITY	Domestic electric cooking ovens	Verification of Components	Cl.24 of IS 5790
4094	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Input Power Test / Input Current Test	Cl. 10 of IS 4250
4095	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Input Power Test / Input Current Test	Cl. 10 of IS 4250
4096	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Insulation Resistance And Electric Strength (c) Leakage Current	Cl. 16 of IS 4250

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 272 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4097	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Marking	Cl. 7 of IS 4250
4098	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Stability and Mechanical Hazards	Cl.20 of IS 4250
4099	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizers And Grinders)	Transient Over Voltages	Cl.14 of IS 4250
4100	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Insulation Resistance And Electric Strength (a) Insulation Resistance (b) High Voltage	Cl. 16 of IS 4250
4101	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Resistance to Rusting	Cl. 31 of IS 4250
4102	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Screws and Connections	Cl. 28 of IS 4250
4103	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Abnormal Operation	Cl. 19 of IS 4250
4104	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Construction	Cl. 22 of IS 4250
4105	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Creepage Distances, Clearances and Distances Through Insulation	Cl. 29 of IS 4250
4106	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Electric Insulation and Leakage current at Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 4250
4107	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Endurance	Cl. 18 of IS 4250
4108	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Internal Wiring	Cl. 23 of IS 4250
4109	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Mechanical Strength	Cl. 21 of IS 4250
4110	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Moisture Resistance	Cl. 15 of IS 4250
4111	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Overload Protection	Cl. 17 of IS 4250
4112	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Protection Against Electric Shock	Cl. 8 of IS 4250
4113	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Provision For Earthing	Cl. 27 of IS 4250

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 273 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4114	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Resistance to heat, Fire and Tracking	Cl. 30 of IS 4250
4115	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Starting	Cl. 9 of IS 4250
4116	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Supply Connection And External Flexible Cable and Cords	Cl. 25 of IS 4250
4117	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Temperature Rise	Cl. 11 of IS 4250
4118	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Terminal For External Conductors	Cl. 26 of IS 4250
4119	ELECTRICAL- SAFETY TESTING FACILITY	Domestic Electric Food-Mixers (Liquidizes and Grinders)	Verification of Components	Cl. 24 of IS 4250
4120	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Screws and Connections	Cl. 28 of IS 302-2-206
4121	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Abnormal Operation	Cl. 19 of IS 302-2-206
4122	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Construction	Cl. 22 of IS 302-2-206
4123	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Creepage Distance and Clearances	Cl. 29 of IS 302-2-206
4124	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Electric coffee machines	Cl.11 of IS 302-2-206
4125	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Electrical Insulation and Leakage Current at Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IS 302-2-206
4126	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Endurance test	Cl.18 of IS 302-2-206
4127	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Heating	Cl.11 of IS 302-2-206
4128	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Input Power Test / Input Current Test	Cl. 10 of IS 302-2-206
4129	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Input Power Test / Input Current Test	Cl. 10 of IS 302-2-206
4130	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Insulation Resistance And Electric Strength (After Humidity Treatment) (a) Leakage Current (b) Electric strength	Cl. 16 of IS 302-2-206

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	274 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4131	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Internal Wiring	Cl. 23 of IS 302-2-206
4132	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Marking	Cl. 7 of IS 302-2-206
4133	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Mechanical Strength	Cl. 21 of IS 302-2-206
4134	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Moisture Resistance	Cl. 15 of IS 302-2-206
4135	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Overload Protection	Cl. 17 of IS 302-2-206
4136	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Protection Against Electric Shock	Cl. 8 of IS 302-2-206
4137	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Provision For Earthing	Cl. 27 of IS 302-2-206
4138	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Radio and Television Interference Suppression	Cl. 14 of IS 302-2-206
4139	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Resistance to heat and Fire	Cl 30 of IS 302-2-206
4140	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Resistance to Rusting	Cl. 31 of IS 302-2-206
4141	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Stability and Mechanical Hazards	Cl.20 of IS 302-2-206
4142	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Starting Of Motor Operated Appliances	Cl. 9 of IS 302-2-206
4143	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Supply Connection And External Flexible Cables and Cords	Cl. 25 of IS 302-2-206
4144	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Terminal For External Conductors	Cl. 26 of IS 302-2-206
4145	ELECTRICAL- SAFETY TESTING FACILITY	Electric coffee machines	Verification of Components	Cl. 24 of IS 302-2-206
4146	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Internal Wiring	Cl. 23 of IS 302-2-201
4147	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Abnormal Operation	Cl. 19 of IS 302-2-201
4148	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Clearances, Creepage distances and Solid Insulation	Cl. 29 of IS 302-2-201

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	275 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4149	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Construction	Cl. 22 of IS 302-2-201
4150	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Heating	Cl.11 of IS 302-2-201
4151	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Leakage Current And Electric Strength	Cl. 16 of IS 302-2-201
4152	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IS 302-2-201
4153	ELECTRICAL- SAFETY TESTING FACILITY	Electric Immersion Water Heater	Marking & Instructions	Cl. 7 of IS 302-2-201
4154	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Mechanical Strength	Cl. 21 of IS 302-2-201
4155	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Moisture Resistance	Cl.15 of IS 302-2-201
4156	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IS 302-2-201
4157	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Power Input And Current	Cl. 10 of IS 302-2-201
4158	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Protection Against Access To Live Parts	Cl. 8 of IS 302-2-201
4159	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Provision For Earthing	Cl. 27 of IS 302-2-201
4160	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Resistance to heat, Fire and Tracking	Cl. 30 of IS 302-2-201
4161	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Resistance to Rusting	Cl.31 of IS 302-2-201
4162	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Screws and Connections	Cl. 28 of IS 302-2-201
4163	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Stability and Mechanical Hazards	Cl. 20 of IS 302-2-201
4164	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Supply Connection And External Flexible Cords	Cl. 25 of IS 302-2-201
4165	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Terminal For External Conductor	Cl. 26 of IS 302-2-201
4166	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Toxicity and Similar Hazards	Cl. 32 of IS 302-2-201

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	276 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4167	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Transient Over Voltages	Cl. 14 of IS 302-2-201
4168	ELECTRICAL- SAFETY TESTING FACILITY	Electric immersion water heater	Verification of Components	Cl.24 of IS 302-2-201
4169	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Abnormal Operation	Cl. No. 19, Except 19.11.4.5 of 302-2-35
4170	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Clearance, Creepage distances and solid insulation	Cl. 29 of IS 302-2-35
4171	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Conducted Immunity Test	Cl. 19.11.4.5 of IS 302-2-35
4172	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Construction	Cl. No. 22, Except Cl. No. 22.101 to 22.110 of IS 302-2-35
4173	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Construction	Cl. No. 22.101 to 22.110 of IS 302-2-35
4174	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Fast transient bursts test	Cl. No. 19.11.4.3 of IS 302-2-35
4175	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Harmonics and Inter-harmonics Test	Cl. No. 19.11.4.7 of IS 302-2-35
4176	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Heating	Cl. 11 of IS 302-2-35
4177	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Internal Wiring	Cl. 23 of IS 302-2-35
4178	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IS 302-2-35
4179	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Marking & Instructions	Cl. 7 of IS 302-2-35
4180	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Mechanical Strength	Cl. 21 of IS 302-2-35
4181	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Moisture Resistance Test	Cl. 15 of IS 302-2-35
4182	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Overload Protection Of Transformers And Associated Circuits	Cl.17 of IS 302-2-35
4183	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Power Input And Current	Cl. 10 of IS 302-2-35
4184	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Power Input And Current	Cl. 10 of IS 302-2-35

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	277 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4185	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Protection Against Access To Live Parts	Cl. 8 of IS 302-2-35
4186	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Resistance to heat and Fire	Cl.30 of IS 302-2-35
4187	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Resistance to Rusting	Cl.31 of IS 302-2-35
4188	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Screws and Connections	Cl.28 of IS 302-2-35
4189	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Stability and Mechanical Hazards	Cl. 20 of IS 302-2-35
4190	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Supply Connection and External Flexible Cords	Cl. 25 of IS 302-2-35
4191	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Surge test	Cl. 19.11.4.4 of IS 302-2-35
4192	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Terminal For External Conductors	Cl. 26 of IS 302-2-35
4193	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Transient Over Voltages	Cl. 14 of IS 302-2-35
4194	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Verification of Components	Cl. 24 of IS 302-2-35
4195	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heater	Voltage Dips and Interruption test	Cl.19.11.4.6 of IS 302-2-35
4196	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Abnormal Operation	Cl.19 of IS 302-2-35
4197	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Clearances, Creepage distances and Solid insulation	Cl. 29 of IS 302-2-35
4198	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Construction	Cl. 22 of IS 302-2-35
4199	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Internal Wiring	Cl. 23 of IS 302-2-35
4200	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Leakage Current And Electric Strength	Cl. 16 of IS 302-2-35
4201	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IS 302-2-35
4202	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Mechanical Strength	Cl. 21 of IS 302-2-35

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	278 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4203	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Moisture Resistance Test	Cl. 15 of IS 302-2-35
4204	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IS 302-2-35
4205	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Protection Against Access To Live Parts	Cl. 8 of IS 302-2-35
4206	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Provision For Earthing	Cl. 27 of IS 302-2-35
4207	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Resistance to heat and Fire	Cl. 30 of IS 302-2-35
4208	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Screws and Connections	Cl. 28 of IS 302-2-35
4209	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Stability and Mechanical Hazards	Cl. 20 of IS 302-2-35
4210	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Supply Connection And External Flexible Cords	Cl. 25 of IS 302-2-35
4211	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Terminal For External Conductors	Cl. 26 of IS 302-2-35
4212	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Toxicity and Similar Hazards	Cl. 32 of IS 302-2-35
4213	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Transient Over Voltages	Cl. 14 of IS 302-2-35
4214	ELECTRICAL- SAFETY TESTING FACILITY	Electric Instantaneous Water Heaters	Verification of Components	Cl. 24 of IS 302-2-35
4215	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Abnormal Operation	Cl. 19 of IEC 60335-2-3
4216	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Stability and Mechanical Hazards	Cl. 20 of IEC 60335-2-3
4217	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Verification of Components	Cl. 24 of IEC 60335-2-3
4218	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	(Provision For Earthing	Cl. 27 of IEC 60335-2-3
4219	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Clearances, Creepage distances and Solid insulation	Cl. 29 of IEC 60335-2-3
4220	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Construction	Cl. 22 of IEC 60335-2-3

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 279 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4221	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Internal Wiring	Cl. 23 of IEC 60335-2-3
4222	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IEC 60335-2-3
4223	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IS 302-2-3
4224	ELECTRICAL- SAFETY TESTING FACILITY	Electric Iron	Marking and Instructions	Cl. 7 of IEC 60335-2-3
4225	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Mechanical Strength	Cl. 21 of IEC 60335-2-3
4226	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Power Input And Current	Cl. 10 of IEC 60335-2-3
4227	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Power Input And Current	Cl. 10 of IEC 60335-2-3
4228	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Resistance to heat, Fire and Tracking	Cl. 30 of IEC 60335-2-3
4229	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Screws and Connections	Cl. 28 of IEC 60335-2-3
4230	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Toxicity and Similar Hazards	Cl. 32 of IEC 60335-2-3
4231	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Transient Over Voltages	Cl. No. 14 of IEC 60335-2-3
4232	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Abnormal Operation	Cl. No. 19 of IS 302-2-3
4233	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-3
4234	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Construction	Cl. No. 22 of IS 302-2-3
4235	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Heating	Cl. No. 11 of IEC 60335-2-3
4236	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Heating	Cl. No. 11 of IS 302-2-3
4237	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Internal Wiring	Cl. No. 23 of IS 302-2-3
4238	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Leakage Current And Electric Strength	Cl. No. 16 of IEC 60335-2-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	280 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4239	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-2-3
4240	ELECTRICAL- SAFETY TESTING FACILITY	Electric Iron	Marking and Instructions	Cl. No. 7 of IS 302-2-3
4241	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Mechanical Strength	Cl. No. 21 of IS 302-2-3
4242	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Moisture Resistance	Cl. No. 15 of IEC 60335-2-3
4243	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Moisture Resistance	Cl. No. 15 of IS 302-2-3
4244	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Power Input and Current	Cl. No. 10 of IS 302-2-3
4245	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Power Input and Current	Cl. No. 10 of IS 302-2-3
4246	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-3
4247	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-3
4248	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Provision For Earthing	Cl. No. 27 of IS 302-2-3
4249	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Resistance to heat, Fire and Tracking	Cl. No. 30 of IS 302-2-3
4250	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-3
4251	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Resistance to Rusting	Cl. No. 31 of IS 302-2-3
4252	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Screws and Connections	Cl. No. 28 of IS 302-2-3
4253	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-3
4254	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-2-3
4255	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-3
4256	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Terminal For External Conductors	Cl. No. 26 of IEC 60335-2-3
4257	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Terminal For External Conductors	Cl. No. 26 of IS 302-2-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	281 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4258	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-3
4259	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Transient Over Voltages	Cl. No. 14 of IS 302-2-3
4260	ELECTRICAL- SAFETY TESTING FACILITY	Electric iron	Verification of Components	Cl. No. 24 of IS 302-2-3
4261	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Construction	Cl. No. 22 of IEC 60335-2-14
4262	ELECTRICAL- SAFETY TESTING FACILITY	Electric Kitchen Machines	Marking & Instructions	Cl. No. 7 of IEC 60335-2-14
4263	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Abnormal Operation	Cl. No. 19 of IEC 60335-2-14
4264	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IEC 60335-2-14
4265	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength	Cl. No. 16 of IEC 60335-2-14
4266	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-2-14
4267	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength At Operating Temperature	Cl. No. 13 of IEC 60335-2-14
4268	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Power Input And Current	Cl. No. 10 of IEC 60335-2-14
4269	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Abnormal Operation	Cl. No. 19 of IS 302-2-14
4270	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-14
4271	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Construction	Cl. No. 22 of IS 302-2-14
4272	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Heating	Cl. No. 11 of IEC 60335-2-14
4273	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Heating	Cl. No. 11 of IS 302-2-14
4274	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Internal Wiring	Cl. No. 23 of IEC 60335-2-14
4275	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Internal Wiring	Cl. No. 23 of IS 302-2-14

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	282 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4276	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength	Cl. No. 16 of IEC 60335-2-14
4277	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-2-14
4278	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Leakage Current And Electric Strength At Operating Temperature	Cl. No. 13 of IS 302-2-14
4279	ELECTRICAL- SAFETY TESTING FACILITY	Electric Kitchen Machines	Marking & Instructions	Cl. No. 7 of IS 302-2-14
4280	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Mechanical Strength	Cl. No. 21 of IEC 60335-2-14
4281	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Mechanical Strength	Cl. No. 21 of IS 302-2-14
4282	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Moisture Resistance	Cl. No. 15 of IEC 60335-2-14
4283	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Moisture Resistance	Cl. No. 15 of IS 302-2-14
4284	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IEC 60335-2-14
4285	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IS 302-2-14
4286	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	ower Input And Current	Cl. No. 10 of IEC 60335-2-14
4287	ELECTRICAL- SAFETY TESTING FACILITY	Electric Kitchen Machines	Power Input And Current	Cl. No. 10 of IS 302-2-14
4288	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Power Input And Current	Cl. No. 10 of IS 302-2-14
4289	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-14
4290	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-14
4291	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Provision For Earthing	Cl. No. 27 of IEC 60335-2-14
4292	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Provision For Earthing	Cl. No. 27 of IS 302-2-14
4293	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Resistance to Heat and Fire	Cl. No. 30 of IEC 60335-2-14

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 283 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4294	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Resistance to Heat and Fire	Cl. No. 30 of IS 302-2-14
4295	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-14
4296	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Resistance to Rusting	Cl. No. 31 of IS 302-2-14
4297	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Screws and Connections	Cl. No. 28 of IEC 60335-2-14
4298	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Screws and Connections	Cl. No. 28 of IS 302-2-14
4299	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-14
4300	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-14
4301	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-2-14
4302	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-14
4303	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Terminal For External Conductor	Cl. No. 26 of IEC 60335-2-14
4304	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Terminal For External Conductors	Cl. No. 26 of IS 302-2-14
4305	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Terminal For External Conductors	Cl. No. 26 of IS 302-2-14
4306	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-2-14
4307	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-14
4308	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Transient Over Voltages	Cl. No. 14 of IEC 60335-2-14
4309	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Transient Over Voltages	Cl. No. 14 of IS 302-2-14
4310	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Verification of Components	Cl. No. 24 of IEC 60335-2-14
4311	ELECTRICAL- SAFETY TESTING FACILITY	Electric kitchen machines	Verification of Components	Cl. No. 24 of IS 302-2-14
4312	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Construction	Cl. No. 22 of IEC 60335-2-8

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 284 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4313	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Moisture Resistance Test	Cl. No. 15 of IEC 60335-2-8
4314	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Radio and Television Interference Suppression	Cl. No. 14 of IEC 60335-2-8
4315	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Resistance to Heat, Fire and Tracking	Cl. No. 30 of IEC 60335-2-8
4316	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Supply Connection And External Flexible Cable and Cords	Cl. No. 25 of IEC 60335-2-8
4317	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Verification of Components	Cl. No. 24 of IEC 60335-2-8
4318	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Terminal For External Conductor	Cl. No. 26 of IS 302-2-8
4319	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Abnormal Operation	Cl. No. 19 of IEC 60335-2-8
4320	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Abnormal Operation	Cl. No. 19 of IS 302-2-8
4321	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Construction	Cl. No. 22 of IS 302-2-8
4322	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Creepage distance, Clearances and through Insulation	Cl. No. 29 of IEC 60335-2-8
4323	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Creepage distance, Clearances and through Insulation	Cl. No. 29 of IS 302-2-8
4324	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Heating	Cl. No. 11 of IEC 60335-2-8
4325	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Heating	Cl. No. 11 of IS 302-2-8
4326	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Input and Current	Cl. No. 10 of IEC 60335-2-8
4327	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Input and Current	Cl. No. 10 of IEC 60335-2-8
4328	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Input and Current	Cl. No. 10 of IS 302-2-8
4329	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Input and Current	Cl. No. 10 of IS 302-2-8
4330	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Insulation resistance and electric strength (After humidity treatment)	Cl. No. 16 of IEC 60335-2-8

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 285 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4331	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Insulation resistance and electric strength (After humidity treatment)	Cl. No. 16 of IS 302-2-8
4332	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Internal Wiring	Cl. No. 23 of IEC 60335-2-8
4333	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Internal Wiring	Cl. No. 23 of IS 302-2-8
4334	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Leakage Current And Electric Strength At Operating Temperature	Cl. No. 13 of IEC 60335-2-8
4335	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Leakage Current And Electric Strength At Operating Temperature	Cl. No. 13 of IS 302-2-8
4336	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Marking	Cl. No. 7 of IEC 60335-2-8
4337	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Marking	Cl. No. 7 of IS 302-2-8
4338	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Mechanical Strength	Cl. No. 21 of IEC 60335-2-8
4339	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Mechanical Strength	Cl. No. 21 of IS 302-2-8
4340	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Moisture Resistance Test	Cl. No. 15 of IS 302-2-8
4341	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Overload Protection	Cl. No. 17 of IEC 60335-2-8
4342	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Overload Protection	Cl. No. 17 of IS 302-2-8
4343	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Protection Against Electric Shock	Cl. No. 8 of IEC 60335-2-8
4344	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Protection Against Electric Shock	Cl. No. 8 of IS 302-2-8
4345	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Provision For Earthing	Cl. No. 27 of IEC 60335-2-8
4346	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Provision For Earthing	Cl. No. 27 of IS 302-2-8
4347	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Radio and Television Interference Suppression	Cl. No. 14 of IS 302-2-8
4348	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Resistance to Heat, Fire and Tracking	Cl. No. 30 of IS 302-2-8

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	286 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4349	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Resistance to Rusting	Cl. No. 31 of IS 302-2-8
4350	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-8
4351	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Screws and Connections	Cl. No. 28 of IEC 60335-2-8
4352	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Screws and Connections	Cl. No. 28 of IS 302-2-8
4353	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-8
4354	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-8
4355	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Starting of Motor Operated Appliances	Cl. No. 9 of IEC 60335-2-8
4356	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Starting of Motor Operated Appliances	Cl. No. 9 of IS 302-2-8
4357	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Supply Connection and External Flexible Cable and Cords	Cl. No. 25 of IS 302-2-8
4358	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Terminal For External Conductor	Cl. No. 26 of IEC 60335-2-8
4359	ELECTRICAL- SAFETY TESTING FACILITY	Electric shavers, hair clippers and similar appliances	Verification of Components	Cl. No. 24 of IS 302-2-8
4360	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Construction	Cl. No. 22 of IS 302-2-202
4361	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Moisture Resistance	Cl. No. 15 of IS 302-2-202
4362	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Abnormal Operation	Cl. No. 19 of IS 302-2-202
4363	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Creepage distances and Clearances	Cl. No. 29 of IS 302-2-202
4364	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Electric Insulation and Leakage Current at Operating Temperature	Cl. No. 13 of IS 302-2-202
4365	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Input and Current	Cl. No. 10 of IS 302-2-202
4366	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Input and Current	Cl. No. 10 of IS 302-2-202

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 287 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4367	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Insulation resistance and electric strength (After humidity treatment)	Cl. No. 16 of IS 302-2-202
4368	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Internal Wiring	Cl. No. 23 of IS 302-2-202
4369	ELECTRICAL- SAFETY TESTING FACILITY	Electric Stoves	Marking	Cl. No. 7 of IS 302-2-202
4370	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Mechanical Strength	Cl. No. 21 of IS 302-2-202
4371	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Moisture Resistance	Cl. No. 15 of IS 302-2-202
4372	ELECTRICAL- SAFETY TESTING FACILITY	Electric Stoves	Protection Against Electric Shock	Cl. No. 8 of IS 302-2-202
4373	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Provision For Earthing	Cl. No. 27 of IS 302-2-202
4374	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Radio and Television Interference Suppression	Cl. No. 14 of IS 302-2-202
4375	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Resistance to Heat, Fire and Tracking	Cl. No. 30 of IS 302-2-202
4376	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Resistance to Rusting	Cl. No. 31 of IS 302-2-202
4377	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Screws and Connections	Cl. No. 28 of IS 302-2-202
4378	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-202
4379	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Supply Connection And External Flexible Cable and Cords	Cl. No. 25 of IS 302-2-202
4380	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Temperature Rise	Cl. No. 11 of IS 302-2-202
4381	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Terminal For External Conductor	Cl. No. 26 of IS 302-2-202
4382	ELECTRICAL- SAFETY TESTING FACILITY	Electric stoves	Verification of Components	Cl. No. 24 of IS 302-2-202
4383	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	CONSTRUCTION	Cl. No. 5 of IS 5161
4384	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Dielectric Strength	Cl. No. 10.1 &12.6 of IS 5161

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	288 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4385	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Electrical Insolation	Cl. No. 10.2 & 12.7 of IS 5161
4386	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	ENCLOSURE AND COVERS	Cl. No. 7 of IS 5161
4387	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Endurance	Cl. No. 10.6 & 12.13 of IS 5161
4388	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	HEATING ELEMENT	Cl. No. 6 of IS 5161
4389	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Input Power Test / Input Current Test	Cl. No. 10.3 & 12.8 of IS 5161
4390	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	MARKING AND INSTRUCTION FOR USE	Cl. No. 11 of IS 5161
4391	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Moisture Resistance	Cl. No. 12.11 of IS 5161
4392	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	RATING	Cl. No. 3 of IS 5161
4393	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Slow Burning Property	Cl. No. 10.7 & Cl. 12.14 of IS 5161
4394	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Strain Relief	Cl. No. 12.5 of IS 5161
4395	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Surface Temperature	Cl. No. 10.4 & 12.9 of IS 5161
4396	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	SWITCHES AND CONTROLS	Cl. No. 9.1 of IS 5161
4397	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Thermostats and Cut-Outs	Cl. No. 9.2 of IS 5161
4398	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Usage Simulation (Impact Test)	Cl. No. 10.5 & 12.10of IS 5161
4399	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	Waterproofness	Cl. No. 12.12 of IS 5161
4400	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	WIRING AND CONNECTIONS	Cl. No. 8 of IS 5161
4401	ELECTRICAL- SAFETY TESTING FACILITY	FLEXIBLE ELECTRIC HEATING PADS FOR DOMESTIC USE	MATERIALS	Cl. No. 4 of IS 5161
4402	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Leakage Current And Electric Strength	Cl. No. 16 of IS 302-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 289 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4403	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IS 302-1
4404	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-1
4405	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Abnormal Operation	Cl. No. 19 of IEC 60335-1
4406	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Abnormal Operation	Cl. No. 19 of IS 302-1
4407	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-1
4408	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IEC 60335-1
4409	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Construction	Cl. No. 22 of IS 302-1
4410	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Constructions	Cl. No. 22 of IEC 60335-1
4411	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Endurance test	Cl. No. 18 of IEC 60335-1
4412	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Endurance Test	Cl. No.18 of IS 302-1
4413	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Heating	Cl. No. 11 of IEC 60335-1
4414	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Heating	Cl. No. 11 of IS 302-1
4415	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Internal Wiring	Cl. No. 23 of IEC 60335-1
4416	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Internal Wiring	Cl. No. 23 of IS 302-1
4417	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Leakage Current And Electric Strength	Cl. No. 16 of IEC 60335-1
4418	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Leakage Current And Electric Strength At Operating Temperature	Cl. No.13 of IS 302-1
4419	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Leakage Current And Electric Strength At Operating Temperature	Cl.No.13 of IEC 60335-1
4420	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Marking & Instructions	Cl. No. 7 of IEC 60335-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	290 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4421	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Marking & Instructions	Cl. No. 7 of IS 302-1
4422	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Mechanical Strength	Cl. No. 21 of IEC 60335-1
4423	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Mechanical Strength	Cl. No. 21 of IS 302-1
4424	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Moisture Resistance	Cl. No. 15 of IEC 60335-1
4425	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Moisture Resistance	Cl. No. 15 of IS 302-1
4426	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IEC 60335-1
4427	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Power Input And Current	Cl. No. 10 of IEC 60335-1
4428	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Power Input And Current	Cl. No. 10 of IEC 60335-1
4429	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Power Input And Current	Cl. No. 10 of IS 302-1
4430	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Power Input And Current	Cl. No. 10 of IS 302-1
4431	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-1
4432	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-1
4433	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-1
4434	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Provision For Earthing	Cl. No. 27 of IEC 60335-1
4435	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Provision For Earthing	Cl. No. 27 of IS 302-1
4436	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Resistance to heat and Fire	Cl. No. 30 of IEC 60335-1
4437	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Resistance to heat and Fire	Cl. No. 30 of IS 302-1
4438	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Resistance to Rusting	Cl. No.31 of IEC 60335-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 291 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4439	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Resistance to Rusting	Cl. No.31 of IS 302-1
4440	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Screws and Connections	Cl. No. 28 of IEC 60335-1
4441	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Screws and Connections	Cl. No.28 of IS 302-1
4442	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-1
4443	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Supply Connection And External Flexible Cords	Cl. No. 25 of IEC 60335-1
4444	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-1
4445	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Terminal For External Conductor	Cl. No. 26 of IEC 60335-1
4446	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Terminal For External Conductor	Cl. No. 26 of IS 302-1
4447	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-1
4448	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-1
4449	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Transient Over Voltages	Cl. 14 of IEC 60335-1
4450	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances	Transient Over Voltages	Cl. No.14 of IS 302-1
4451	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Verification of Components	Cl. No. 24 of IEC 60335-1
4452	ELECTRICAL- SAFETY TESTING FACILITY	Household And Similar Electrical Appliances	Verification of Components	Cl. no. 24 of IS 302-1
4453	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Construction	Cl. No. 22 of IEC 60335-2-89
4454	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Construction	Cl.No. 22 of IEC 60335-2-89
4455	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Heating	(Cl.No. 11) of IEC 60335-2-89

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	292 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4456	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Internal Wiring	(Cl.No. 23) of IEC 60335-2-89
4457	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Leakage Current And Electric Strength	(Cl.No. 16) of IEC 60335-2-89
4458	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Marking & Instructions test	(Cl.No. 7) of IEC 60335-2-89
4459	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Mechanical Strength	(Cl.No. 21) of IEC 60335-2-89
4460	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Moisture Resistance	(Cl.No. 15) of IEC 60335-2-89
4461	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Overload Protection of Transformers And Associated Circuits	(Cl.No. 17) of IEC 60335-2-89
4462	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Power Input And Current	(Cl.No. 10) of IEC 60335-2-89
4463	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Power Input And Current	(Cl.No. 10) of IEC 60335-2-89
4464	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Protection Against Access To Live Parts	(Cl.No. 8) of IEC 60335-2-89
4465	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Provision For Earthing	(Cl.No. 27) of IEC 60335-2-89
4466	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Resistance to heat and Fire Ball Pressure Glow wire Needle flame	Cl.No. 30 of IEC 60335-2-89

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	293 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4467	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Resistance to Rusting	Cl.No. 31 of IEC 60335-2-89
4468	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Screws and Connections	Cl.No. 28 of IEC 60335-2-89
4469	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Verification of Components	Cl.No. 24 of IEC 60335-2-89
4470	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) High Voltage	Cl.No.13 of IS/IEC 60335-2-89
4471	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89:Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Clearances, Creepage distances and Solid insulation	Cl.No. 29 of IEC 60335-2-89
4472	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89:Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Supply Connection And External Flexible Cords	Cl.No. 25 of IEC 60335-2-89
4473	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89:Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Terminal For External Conductor	Cl.No. 26 of IEC 60335-2-89
4474	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89:Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Terminal For External Conductor	Cl.No. 26 of IEC 60335-2-89:
4475	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89:Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Transient Over Voltages	Cl.No. 14 of IEC 60335-2-89
4476	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Stability and Mechanical Hazards	Cl.No. 20 of IS/IEC 60335-2-89
4477	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Particular requirements for motor-compressors	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-34
4478	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Abnormal Operation	Cl. No.19, Except Cl. No. 19.2 to 19.10 of IEC 60335-2-34

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	294 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4479	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Construction	Cl. No. 22, Except : Cl. No. 22.2, 22.5 & 22.14 of IEC 60335-2-34
4480	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Construction	Cl. No. 22, Except : Cl. No. 22.2, 22.5 & 22.14 of IEC 60335-2-34
4481	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Construction	Cl. No. 22, Except : Cl. No. 22.2, 22.5 & 22.14 of IEC 60335-2-34
4482	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Internal Wiring	Cl. No. 23 of IEC 60335-2-34
4483	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Leakage current and electric strength	Cl. No. 16 of IEC 60335-2-34
4484	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Marking & Instructions Test	Cl. No. 7, Except Cl. No. 7.5, 7.7, 7.12, 7.13 of IEC 60335-2-34
4485	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Marking & Instructions Test	Cl. No. 7, Except Cl. No. 7.5, 7.7, 7.12, 7.13 of IEC 60335-2-34
4486	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Mechanical Strength	Cl. No. 21 of IEC 60335-2-34
4487	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Moisture Resistance	Cl. No. 15 of IEC 60335-2-34
4488	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Overload protection of transformers and associated circuits	Cl. No. 17 of IEC 60335-2-34
4489	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-34
4490	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Provision For Earthing	Cl. No. 27 of IEC 60335-2-34
4491	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Resistance to Heat and Fire	Cl. No. 30, Except Cl. No. 30.2.2 of IEC 60335-2-34
4492	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-34
4493	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Screws and Connections	Cl. No. 28 of IEC 60335-2-34
4494	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Terminal For External Conductor	Cl. No. 26 of IEC 60335-2-34
4495	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Transient Over Voltages	Cl. No. 14 of IEC 60335-2-34

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	295 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4496	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-34:Particular requirements for motor-compressors	Verification of Components	Cl. No. 24 of IEC 60335-2-34
4497	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Abnormal Operation	Cl.No. 19 of IEC 60335-2-89
4498	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Abnormal Operation	Cl.No.19 of IS/IEC 60335-2-89
4499	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Clearances, Creepage distances and Solid insulation	(Cl.No. 29) of IS/IEC 60335-2-89
4500	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Construction	(Cl.No. 22) of IS/IEC 60335-2-89
4501	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Construction	(Cl.No. 22) of IS/IEC 60335-2-89
4502	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Construction	Cl. 22 of IEC 60335-2-89
4503	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Heating	(Cl.No. 11) of IS/IEC 60335-2-89
4504	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Internal Wiring	(Cl.No. 23) of IS/IEC 60335-2-89
4505	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Leakage Current And Electric Strength	(Cl.No. 16) of IS/IEC 60335-2-89
4506	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) High Voltage	Cl.No. 13 of IEC 60335-2-89

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	296 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4507	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Marking & Instructions test	(Cl.No. 7) of IS/IEC 60335-2-89
4508	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Mechanical Strength	(Cl.No. 21) of IS/IEC 60335-2-89
4509	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Moisture Resistance	(Cl.No. 15) of IS/IEC 60335-2-89
4510	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Overload Protection of Transformers And Associated Circuits	(Cl.No. 17) of IS/IEC 60335-2-89
4511	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Power Input And Current	(Cl.No. 10) of IS/IEC 60335-2-89
4512	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Power Input And Current	(Cl.No. 10) of IS/IEC 60335-2-89
4513	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Protection Against Access To Live Parts	(Cl.No. 8) of IS/IEC 60335-2-89
4514	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Provision For Earthing	(Cl.No. 27) of IS/IEC 60335-2-89
4515	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Resistance to heat and Fire Ball Pressure Glow wire Needle flame	Cl.No. 30 of IS/IEC 60335-2-89
4516	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Resistance to Rusting	Cl.No. 31 of IS/IEC 60335-2-89
4517	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Screws and Connections	Cl.No. 28 of IS/IEC 60335-2-89

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	297 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4518	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Terminal For External Conductor	Cl.No. 26 of IS/IEC 60335-2-89
4519	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Terminal For External Conductor	Cl.No. 26 of IS/IEC 60335-2-89
4520	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Transient Over Voltages	Cl.No. 14 of IS/IEC 60335-2-89
4521	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Verification of Components	(Cl.No. 24) of IS/IEC 60335-2-89
4522	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances -Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Stability and Mechanical Hazards	Cl.No. 20 of IEC 60335-2-89
4523	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Overload Protection of Transformers and Associated Circuits	Cl. 17 of IEC 60335-2-75
4524	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Heating	Cl. No. 11 of IS 302-2-75
4525	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Abnormal Operation	Cl. 19 of IS 302-2-75
4526	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Abnormal Operation	Cl. No. 19 of IEC 60335-2-75
4527	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Clearances, Creepage Distances and Solid Insulation	Cl. 29 of IEC 60335-2-75
4528	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Clearances, Creepage Distances and Solid Insulation	Cl. 29 of IS 302-2-75
4529	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Construction	Cl. 22 of IS 302-2-75
4530	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Construction	Cl. 22.1 of IS 302-2-75
4531	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Heating	Cl. 11 of IEC 60335-2-75
4532	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Internal Wiring	Cl. 23 of IS 302-2-75

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	298 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4533	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Internal Wiring	Cl. 23 of IEC 60335-2-75
4534	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Leakage Current And Electric Strength	Cl.16 of IEC 60335-2-75
4535	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Leakage Current And Electric Strength	Cl.16 of IS 302-2-75
4536	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IEC 60335-2-75
4537	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Leakage Current And Electric Strength At Operating Temperature	Cl. 13 of IS 302-2-75
4538	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Marking and Instructions	Cl. 7 of IEC 60335-2-75
4539	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Marking and Instructions	Cl. 7 of IS 302-2-75
4540	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Mechanical Strength	Cl. 21 of IEC 60335-2-75
4541	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Mechanical Strength	Cl. 21 of IS 302-2-75
4542	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Moisture resistance	Cl. 15 of IEC 60335-2-75
4543	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Moisture resistance	Cl. 15 of IS 302-2-75
4544	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Overload Protection of Transformers and Associated Circuits	Cl. No. 17 of IEC 302-2-75
4545	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Overload Protection of Transformers and Associated Circuits	Cl. 17 of IS 302-2-75
4546	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Power Input and Current	Cl. 10 of IS 302-2-75
4547	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Power Input and Current	Cl. 10 of IEC 60335-2-75
4548	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Power Input and Current	Cl. 10 of IEC 60335-2-75
4549	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Power Input and Current	Cl. 10 of IS 302-2-75

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	299 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4550	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Protection Against Access To Live Parts	Cl. 8. of IEC 60335-2-75
4551	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Protection Against Access To Live Parts	Cl.8. of IS 302-2-75
4552	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Provision For Earthing	Cl. 27 of IS 302-2-75
4553	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Provision For Earthing	Cl. 27 of IEC 60335-2-75
4554	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Resistance to Heat and Fire	Cl. 30 of IEC 60335-2-75
4555	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Resistance to Heat and Fire	Cl. 30 of IS 302-2-75
4556	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Resistance to Rusting test	Cl. 31 of IS 302-2-75
4557	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Resistance to Rusting test	Cl. 31 of IEC 60335-2-75
4558	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Screws and Connections	Cl. 28 of IS 302-2-75
4559	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Screws and Connections	Cl. 28 of IEC 60335-2-75
4560	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Stability and Mechanical Hazards	Cl. 20 of IS 302-2-75
4561	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Stability and Mechanical Hazards	Cl. 20 of IEC 60335-2-75
4562	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Supply Connection and External Flexible Cords	Cl. 25 of IEC 60335-2-75
4563	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Supply Connection and External Flexible Cords	Cl. 25 of IS 302-2-75
4564	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Terminals For External Conductors	Cl. 26 of IS 302-2-75
4565	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Terminals For External Conductors	Cl. 26 of IEC 60335-2-75
4566	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Toxicity and similar hazard	Cl. 32 of IS 302-2-75
4567	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Toxicity and similar hazard	Cl. 32 of IEC 60335-2-75
4568	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Transient Over Voltage	Cl. 14 of IS 302-2-75

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	300 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4569	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Transient Over Voltage	Cl. 14 of IEC 60335-2-75
4570	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Verification of Classification	Cl. 6 of IS 302-2-75
4571	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Verification of Classification	Cl. 6 of IEC 60335-2-75
4572	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Verification of Components	Cl. 24 of IEC 60335-2-75
4573	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines	Verification of Components	Cl. 24 of IS 302-2-75
4574	ELECTRICAL- SAFETY TESTING FACILITY	Household and Similar Electrical Appliances: Commercial Dispensing Appliances and Vending Machines Heating	Heating	Cl. No. 11 of IEC 60335-2-75
4575	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	Supply Connection And External Flexible Cords	Cl.No. 25 of IS/IEC 60335-2-89
4576	ELECTRICAL- SAFETY TESTING FACILITY	Household and similar electrical appliances: Particular requirements for motor-compressors	Supply Connection And External Flexible Cords	Cl. No. 25, Except Cl. No. 25.7 of IEC 60335-2-34
4577	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Abnormal Operation	Cl.No. 19 of IS 302-2-209
4578	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Construction	Cl.No. 22 of IS 302-2-209
4579	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Creepage distance & Clearances	Cl.No. 29 of IS 302-2-209
4580	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	ELECTRICAL INSULATION AND LEAKAGE CURRENT AT OPERATING TEMPERATURE	Cl. No. 13 of IS 302-2-209
4581	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Input And Current	Cl.No. 10 of IS 302-2-209
4582	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Input And Current	IS 302-2-209
4583	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	INSULATION RESISTANCE AND ELECTRIC SHOCK STRENGTH (AFTER HUMIDITY TREATMENT) (a) Leakage Current (b) High Voltage	Cl.No. 16 of IS 302-2-209
4584	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Internal Wiring	Cl.No. 23 of IS 302-2-209
4585	ELECTRICAL- SAFETY TESTING FACILITY	Low Speed Food Grinding Machine	Marking & Instructions	Cl.No. 7 of IS 302-2-209

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	301 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4586	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Mechanical Strength	Cl.No. 21 of IS 302-2-209
4587	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Moisture Resistance Test	Cl.No. 15 of IS 302-2-209
4588	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	PROTECTION AGAINST ELECTRIC SHOCK	Cl. No.8 of IS 302-2-209
4589	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Provision For Earthing	Cl.No. 27 of IS 302-2-209
4590	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Resistance to Rusting	Cl.No. 31 of IS 302-2-209
4591	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Starting Of Motor Operated Appliances	Cl.No. 9 of IS 302-2-209
4592	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Supply Connection And External Flexible Cords	Cl.No. 25 of IS 302-2-209
4593	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Temperature Rise	Cl.No. 11 of IS 302-2-209
4594	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Terminal For External Conductor	Cl.No. 26 of IS 302-2-209
4595	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Toxicity and Similar Hazards	Cl.No. 32 of IS 302-2-209
4596	ELECTRICAL- SAFETY TESTING FACILITY	Low speed food grinding machine	Verification of Components	Cl.No. 24 of IS 302-2-209
4597	ELECTRICAL- SAFETY TESTING FACILITY	Mains Operated Electric Shavers	High Voltage Test	Cl. No. 10.3.4 of IS 5159
4598	ELECTRICAL- SAFETY TESTING FACILITY	Mains Operated Electric Shavers	MARKING	Cl.No. 9 of IS 5159
4599	ELECTRICAL- SAFETY TESTING FACILITY	Mains Operated Electric Shavers	Test for Leakage Current	Cl. No. 10.3.6 of IS 5159
4600	ELECTRICAL- SAFETY TESTING FACILITY	Mains Operated Electric Shavers	Verification of material, construction, marking	Cl. No. 10.3.1 of IS 5159
4601	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Abnormal Operation Test	Cl. No. 10.3.10 of IS 5159
4602	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Cord grip test	Cl.No. 10.3.2 of IS 5159
4603	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	ENDURANCE	Cl. No.8 of IS 5159
4604	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Endurance Test	Cl. No. 10.3.11 IS 5159

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 302 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4605	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	High Voltage Test	Cl.N. 10.3.4 of IS 5159
4606	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Mechanical Strength Test	Cl. No. 10.3.9 of IS 5159
4607	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Temperature Limit	Cl. No. 10.3.8 of IS 5159
4608	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Test for Operation at Over and Under Voltage	Cl. No. 10.3.7 of IS 5159
4609	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Test for Protection Against Electric Shock	Cl.No. 10.3.5 of IS 5159
4610	ELECTRICAL- SAFETY TESTING FACILITY	Mains-operated electric shavers	Test for withdrawal at pull	Cl.No. 10.3.3 of IS 5159
4611	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Verification of Components	Cl. No. 24 of IEC 302-2-32
4612	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Creepage distances and Clearances	Cl. No. 29 IS 302-2-32
4613	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Internal Wiring	Cl. No. 23 of IS 302-2-32
4614	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Mechanical Strength	Cl. No.21 of IEC 60335-2-32
4615	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances :	Moisture Resistance	Cl. No. 15 of IEC 60335-2-32
4616	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Abnormal Operation	Cl. No. 19 of IEC 60335-2-32
4617	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Construction	Cl. No. 22 of IS 302-2-32
4618	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Input And Current	Cl. No. 10 of IEC 302-2-32
4619	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Moisture Resistance	Cl. No. 15 of IS 302-2-32
4620	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Radio and television interference suppression	Cl. No.14 of IEC 60335-2-32
4621	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Screws and Connections	Cl. No. 28 of IS 302-2-32
4622	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Stability and Mechanical Hazards	Cl. No.20 of IEC 60335-2-32

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	303 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4623	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Supply Connection And External Flexible Cables and Cords	Cl. No. 25 of IS 302-2-32
4624	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Abnormal Operation	Cl. No. 19 IS 302-2-32
4625	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Construction	Cl. No. 22 of IS IEC 60335-2-32
4626	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Creepage distance & Clearances	Cl. No. 29 IEC 60335-2-32
4627	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Electric Insulation and Leakage current at Operating Temperature	Cl. No. 13 of IEC 60335-2-32
4628	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Electric Insulation and Leakage current at Operating Temperature	Cl. No. 13 of IS 302-2-32
4629	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Input And Current	Cl. No. 10 of IEC 60335-2-32
4630	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Input And Current	Cl. No. 10 of IS 302-2-32
4631	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Input And Current	Cl. No. 10 of IS 302-2-32
4632	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Insulation Resistance and Electric strength (After humidity treatment)	Cl. No. 16 of IEC 60335-2-32
4633	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Insulation Resistance and Electric strength (After humidity treatment)	Cl. No. 16 of IS 302-2-32
4634	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Internal Wiring	Cl. No. 23 of IEC 60335-2-32
4635	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Marking	Cl. 7 of IS 302-2-32
4636	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Marking	Cl. No. 7 of IEC 60335-2-32
4637	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Mechanical Strength	Cl. No.21 of IS 302-2-32
4638	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Overload Protection	Cl. No. 17 of IEC 60335-2-32
4639	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Overload Protection	Cl. No. 17 of IS 302-2-32

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	304 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4640	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Protection Against Electric Shock	Cl. No.8 of IEC 60335-2-32
4641	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Protection Against Electric Shock	Cl. No.8 of IS 302-2-32
4642	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Provision For Earthing	Cl. No. 27 of IEC 60335-2-32
4643	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Provision For Earthing	Cl. No.27 of IS 302-2-32
4644	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Radio and television interference suppression	Cl. No.14 of IS 302-2-32
4645	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Resistance to Rusting	Cl. No. 31 of IEC 60335-2-32
4646	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Resistance to Rusting	Cl. No.31 of IS 302-2-32
4647	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Screws and Connections	Cl. No. 28 of IEC 60335-2-32
4648	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Stability and Mechanical Hazards	Cl. No.20 of IS 302-2-32
4649	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Starting Of Motor Operated Appliances	Cl. No. 9 of IEC 60335-2-32
4650	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Starting Of Motor-Operated Appliances	Cl. No.9 of IEC 60335-2-32
4651	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Supply Connection And External Flexible Cables and Cords	Cl. No. 25 IEC 60335-2-32
4652	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Temperature rise	Cl. No. 11 of IEC 60335-2-32
4653	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Temperature rise	Cl. No. 11 of IS 302-2-32
4654	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Terminal For External Conductor	Cl. No.26 of IEC 60335-2-32
4655	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Terminal For External Conductor	Cl. No.26 of IS 302-2-32
4656	ELECTRICAL- SAFETY TESTING FACILITY	Massage appliances	Verification of Components	Cl. No. 24 of IEC 60335-2-32
4657	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Construction	Cl. No. 22 of IS 4159

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	305 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4658	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Heating	Cl.No. 11 of IS 4159
4659	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Internal wiring	Cl.No. 23 of IS 4159
4660	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. No. 16 of IS 4159
4661	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Leakage Current and Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. No. 13 of IS 4159
4662	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Marking and instructions	Cl. No. 7 of IS 4159
4663	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Mechanical strength	Cl. No. 21 of IS 4159
4664	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Moisture resistance	Cl. No. 15 of IS 4159
4665	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Overload protection of transformers and associated circuits	Cl. No. 17 of IS 4159
4666	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Power input and current	Cl. No. 10 of IS 4159
4667	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Power input and current	Cl. No. 10 of IS 4159
4668	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Protection Against Access To Live Parts	Cl. No. 8 of IS 4159
4669	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Provision for earthing	Cl. No. 27 of IS 4159
4670	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Resistance to heat and fire	Cl. No. 30 of IS 4159
4671	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Resistance to rusting	Cl. No. 31 of IS 4159
4672	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Screws and connections	Cl. No. 28 of IS 4159
4673	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Stability and mechanical hazards	Cl. No. 20 of IS 4159
4674	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Supply connection and external flexible cords	Cl. No. 25 of IS 4159

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	306 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4675	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Terminals for external conductors	Cl. No. 26 of IS 4159
4676	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Toxicity and Similar Hazards	Cl. No. 32 of IS 4159
4677	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Transient overvoltages	Cl. No. 14 of IS 4159
4678	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Verification of Components	Cl. No. 24 of IS 4159
4679	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Abnormal Operation	Cl.19 of IS 4159
4680	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Clearances, Creepage distances and Solid insulation	Cl.29 of IS 4159
4681	ELECTRICAL- SAFETY TESTING FACILITY	Mineral Filled Sheathed Heating Elements	Endurance	Cl. No. 18 of IS 4159
4682	ELECTRICAL- SAFETY TESTING FACILITY	Portable Hand Held Mains Operated Electric Massagers	Protection Against Electric Shock	Cl. 7.1 & Cl 12.3.5 of IS 7137
4683	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Abnormal Operation	Cl. No. 7.6 & Cl 12.3.10 of IS 7137
4684	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Electrical Insulation	Cl. No. 7.3 of IS 7137
4685	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Moisture Resistance	Cl. No. 7.4 of IS 7137
4686	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Operation Under Overload Condition	Cl. No. 7.7 of IS 7137
4687	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Supply Connections	Cl. No. 7.8 of IS 7137
4688	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Cord Grip Test	Cl. No. 12.3.2 of IS 7137
4689	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Endurance	Cl. 9 & Cl.12.3.11 of IS 7137
4690	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Fire resisting properties	Cl. No. 29 of IS 7137
4691	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	High Voltage Test	Cl. No. 12.3.4 of IS 7137
4692	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Input Power Test / Input Current Test	Cl. No. 12.3.12 of IS 7137
4693	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Insulation resistance (dry)	Cl. No. 44.3 of IS 7137

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 307 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4694	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Leakage current	Cl. No. 12.3.6 of IS 7137
4695	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	MARKING	Cl. No. 11 of IS 7137
4696	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Mechanical Hazards and Stability	Cl. No. 10 of IS 7137
4697	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Operation at overvoltage and undervoltage	Cl. No. 8 & Cl.12.3.7 of IS 7137
4698	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Resistance to rusting	Cl. No. 37 of IS 7137
4699	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Screws and Connections	Cl. No. 7.10 of IS 7137
4700	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Temperature Rise	Cl. No. 7.11 of IS 7137
4701	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Test for Withdrawal Pull	Cl. No. 12.3.3 of IS 7137
4702	ELECTRICAL- SAFETY TESTING FACILITY	Portable hand held mains-operated electric massagers	Visual Examination and Inspection	Cl. No. 12.3.1 of IS 7137
4703	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Abnormal Operation	Cl. No. 8.8 of IS 7603
4704	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	CONSTRUCTION	Cl. No. 6 of IS 7603
4705	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Creepage Distances and Clearances	Cl. No. 8.17 of IS 7603
4706	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Earthing	Cl. No. 8.15 of IS 7603
4707	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Electrical Insulation	Cl. No. 8.3 of IS 7603
4708	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Endurance	Cl. No. 8.12 of IS 7603
4709	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Finish	Cl. No. 8.19 of IS 7603
4710	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Insulation resistance	Cl. No. 44.3 of IS 7603
4711	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Leakage current	Cl. No. 42.1 of IS 7603
4712	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	MARKING AND INSTRUCTIONS FOR USE	Cl. No. 10 of IS 7603

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	308 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4713	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Mechanical Hazards and Stability	Cl. No. 8.6 of IS 7603
4714	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Mechanical Strength	Cl. No. 8.7 of IS 7603
4715	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Moisture Resistance	Cl. No. 8.5 of IS 7603
4716	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Operation Under Overload Conditions	Cl. No. 8.10 of IS 7603
4717	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Protection Against Electric Shock	Cl. No. 8 of IS 7603
4718	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Resistance to Rusting	Cl. No. 8.18 of IS 7603
4719	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Screws and Connections	Cl. No. 8.16 of IS 7603
4720	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Specific Requirements For Different Parts of The Grinders (Speed of grinder surface test)	Cl. No. 7.5 of IS 7603
4721	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Specific Requirements For Different Parts of The Grinders" to be renamed as "Verification of Specific Requirements For Different Parts of The Grinders	Cl. No. 7.1 to 7.4 of IS 7603
4722	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Spillage	Cl. No. 8.4 of IS 7603
4723	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Spillage (for Wet Grinder Only)	Cl. No. 11.3.3 of IS 7603
4724	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Starting	Cl. No. 8.11 of IS 7603
4725	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Supply Connections	Cl. No. 8.13 of IS 7603
4726	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Temperature withstand (for plastic and glass hoppers only)	Cl. No. 11.3.4 of IS 7603
4727	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Temperature-Rise	Cl. No. 8.2 of IS 7603
4728	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Terminals	Cl. No. 8.14 of IS 7603
4729	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Test for Input	Cl. No. 11.3.6 of IS 7603

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 309 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4730	ELECTRICAL- SAFETY TESTING FACILITY	PORTABLE LOW SPEED FOOD GRINDING MACHINES	Thermal Cutouts	Cl. No. 8.9 of IS 7603
4731	ELECTRICAL- SAFETY TESTING FACILITY	Portable, hand held mains-operated electric massagers	Mechanical Strength	Cl. No. 7.5 & Cl.12.3.9 of IS 7137
4732	ELECTRICAL- SAFETY TESTING FACILITY	Portable, hand held mains-operated electric massagers	Temperature Limit	Cl. No. 7.2 & Cl.12.3.8 of IS 7137
4733	ELECTRICAL- SAFETY TESTING FACILITY	Portable, hand held mains-operated electric massagers	Terminals	Cl. No. 7.9 of IS 7137
4734	ELECTRICAL- SAFETY TESTING FACILITY	Room Heater	Power Input And Current	Cl. No. 10 of IS 302-2-30
4735	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Abnormal Operation	Cl. No. 19 of IS 302-2-30
4736	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Clearances, Creepage distances and Solid insulation	Cl. No.29 of IS 302-2-30
4737	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Resistance to Rusting	Cl. No. 31 of IS 302-2-30
4738	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Verification of Components	Cl. No. 24 of IS 302-2-30
4739	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Construction	Cl. No. 22 of IS 302-2-30
4740	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Heating	Cl. No. 11 of IS 302-2-30
4741	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Internal Wiring	Cl. No. 23 of IS 302-2-30
4742	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Leakage Current And Electric Strength at operating temperature	Cl. No. 16 of IS 302-2-30
4743	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Leakage Current And Electric Strength At Operating Temperature	Cl. No.13 of IS 302-2-30
4744	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Marking & Instructions	Cl. No. 7 of IS 302-2-30:
4745	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Mechanical Strength	Cl. No. 21 of IS 302-2-30
4746	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Moisture Resistance	Cl. No. 15 of IS 302-2-30
4747	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Overload Protection Of Transformers And Associated Circuits	Cl. No. 17 of IS 302-2-30

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 310 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4748	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Power Input And Current	Cl. No. 10 of IS 302-2-30
4749	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Power Input And Current	Cl. No. 10 of IS 302-2-30
4750	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-30
4751	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Provision For Earthing	Cl. No. 27 of IS 302-2-30
4752	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Resistance to heat and Fire	Cl. No. 30 of IS 302-2-30
4753	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Screws and Connections	Cl. No. 28 of IS 302-2-30
4754	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Stability and Mechanical Hazards	Cl. No. 20 of IS 302-2-30
4755	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Supply Connection And External Flexible Cords	Cl. No. 25 of IS 302-2-30
4756	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Terminal For External Conductor	Cl. No. 26 of IS 302-2-30
4757	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-30
4758	ELECTRICAL- SAFETY TESTING FACILITY	Room Heaters	Transient Over Voltages	Cl. No. 14 of IS 302-2-30
4759	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Input And Current	Cl. No.10 of IS 8985
4760	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Creepage distances and Clearances	Cl. No. 29 of IS 302-2-208
4761	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Insulation Resistance and Electric Shock Strength (After Humidity Treatment)	Cl. No. 16 of IS 302-2-208
4762	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Moisture Resistance Test	Cl. No. 15 of IS 8985
4763	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Overload Protection	Cl. No. 17 of IS 302-2-209
4764	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Radio and Television Interference Suppression	Cl. No.14 of IS 302-2-209
4765	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Supply Connection and External Flexible Cables and Cords	Cl. No.25 of IS 302-2-209

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 311 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4766	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens :	Input And Current	Cl. No.10 of IS 302-2-208
4767	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Abnormal Operation	Cl. No. 19 of IS 8985
4768	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Abnormal Operation	Cl.No. 19 of IS 302-2-208
4769	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Construction	Cl. No. 22 of IS 302-2-208
4770	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Construction	Cl. No. 22 of IS 8985
4771	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Creepage Distances and Clearances	Cl. No. 29 of IS 8985
4772	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Endurance Test	Cl. No. 18 of IS 8985
4773	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Heating	Cl. No. 11 of IS 8985
4774	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Input And Current	Cl. No.10 of IS 302-2-208
4775	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Input And Current	Cl. No.10 of IS 8985
4776	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Insulation Resistance And Electric Strength	Cl. No. 16 of IS 8985
4777	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Internal Wiring	Cl. No.23 of IS 302-2-208
4778	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Leakage Current	Cl.No. 13 of IS 8985
4779	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Leakage Current and Electric Strength at Operating Temperature	Cl. No.13 of IS 302-2-208
4780	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Marking & Instructions	Cl. No. 7 of IS 8985
4781	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Marking & Instructions	Cl. No. 7 of IS 302-2-208
4782	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Mechanical Strength	Cl. No. 21 of IS 8985
4783	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Mechanical Strength	Cl. No. 21 of IS 302-2-208

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	312 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4784	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Moisture Resistance Test	Cl. No. 15 of IS 302-2-208
4785	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Overload Protection	Cl. No. 17 of IS 302-2-208
4786	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Overload Protection	Cl.No. 17 of IS 8985
4787	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Protection Against Access To Live Parts	Cl. No. 8 of IS 302-2-208
4788	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Protection Against Electric Shock	Cl. No.8 of IS 8985
4789	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	PROVISION FOR EARTHING	Cl. No. 27 of IS 302-2-208
4790	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Provision For Earthing	Cl. No.27 of IS 8985
4791	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	RADIO AND TELEVISION INTERFERENCE SUPPRESSION	Cl. No. 14 of IS 302-2-208
4792	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Resistance to heat and fire	Cl. No. 30 of IS 302-2-208
4793	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Resistance to heat, Fire and Tracking.	Cl. No.30 of IS 8985
4794	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Resistance to Rusting	Cl. No. 31 of IS 8985
4795	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Resistance to Rusting	Cl. No. 31 of IS 302-2-208
4796	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Screws and Connections	Cl. No.28 of IS 302-2-208
4797	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Screws and Connections	Cl. No.28 of IS 8985
4798	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Stability and Mechanical Hazards	Cl. No.20 of IS 8985
4799	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	STABILITY AND MECHANICAL HAZARDS	Cl. No. 20 of IS 302-2-208
4800	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Supply Connection and External Flexible Cords	Cl. No. 25 of IS 302-2-208
4801	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Supply Connection And External Flexible Cords	Cl. No.25 of IS 8985
4802	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Temperature Rise	Cl. No.11 of IS 302-2-208

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 313 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4803	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Terminal For External Conductor	Cl. No. 26 of IS 302-2-208
4804	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Terminal For External Conductor	Cl. No. 26 of IS 8985
4805	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Toxicity and Similar Hazards	Cl. No. 32 of IS 8985
4806	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Transient Over Voltages	Cl. No. 14 of IS 8985
4807	ELECTRICAL- SAFETY TESTING FACILITY	Single Walled Baking Ovens	Verification of Components	Cl. No. 24 of IS 302-2-208
4808	ELECTRICAL- SAFETY TESTING FACILITY	Single walled baking ovens	Verification of Components	Cl. No. 24 of IS 8985
4809	ELECTRICAL- SAFETY TESTING FACILITY	Solid Embedded type Electric Heating Element	Marking & Instructions	Cl. No.7 of IS 4158
4810	ELECTRICAL- SAFETY TESTING FACILITY	Solid Embedded type Electric Heating Element	RESISTANCE TO HEAT FIRE AND TRACKING	Cl. No. 30 of IS 4158
4811	ELECTRICAL- SAFETY TESTING FACILITY	Solid Embedded type Electric Heating Element	STABILITY AND MECHANICAL HAZARDS	Cl. No. 20 of IS 4158
4812	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Resistance to Rusting	Cl. No.31 of IS 4158
4813	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Abnormal Operation	Cl. No.19 of IS 4158
4814	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Construction	Cl. No.22 of IS 4158
4815	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Creepage distance and Clearances	Cl. No.29 of IS 4158
4816	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Endurance Test	Cl. No.18 of IS 4158
4817	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Heating/ Temperature Rise	Cl. No.11 of IS 4158
4818	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Insulation Resistance and Electric Strength (After Humidity Treatment)	Cl. No.16 of IS 4158
4819	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Internal Wiring	Cl.No.23 of IS 4158
4820	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Leakage Current And Electric Strength At Operating Temperature	Cl. No.13 of IS 4158

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 314 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4821	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Mechanical Strength	Cl. No.21 of IS 4158
4822	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Moisture Resistance Test	Cl. No.15 of IS 4158
4823	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	OVERLOAD PROTECTION	Cl. No. 17 of IS 4158
4824	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Protection Against Electric Shock	Cl. No.8 of IS 4158
4825	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Provision For Earthing	Cl. No.27 of IS 4158
4826	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Radio and Television Interference Suppression	Cl. No.14 of IS 4158
4827	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Screws and Connections	Cl. No. 28 of IS 4158
4828	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Supply Connection and External Flexible Cables and Cords	Cl. No.25 of IS 4158
4829	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Terminal For External Conductor	Cl. No.26 of IS 4158
4830	ELECTRICAL- SAFETY TESTING FACILITY	Solid embedded type electric heating elements	Verification of Components	Cl. No.24 of IS 4158
4831	ELECTRICAL- SAFETY TESTING FACILITY	Solid Embedded Type Heating Elements	Input And Current	Cl. No.10 of IS 4158
4832	ELECTRICAL- SAFETY TESTING FACILITY	Solid Embedded Type Heating Elements	Input And Current	Cl. No.10 of IS 4158
4833	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Abnormal Operation	Cl. 19 of IEC 60335-2-4
4834	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Abnormal Operation	Cl.19 of IS 302-2-4
4835	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Clearances, Creepage distances and Solid insulation	Cl. 29 of IEC 60335-2-4
4836	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Construction	Cl. 22 of IEC 60335-2-4
4837	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Construction	Cl. 22 of IS 302-2-4
4838	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Creepage distances Clearances and Distances through insulation	Cl. 29 of IS 302-2-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	315 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4839	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Electric Insulation and Leakage current at Operating Temperature (a) Leakage Current b) H.V. test	Cl. 13 of IS 302-2-4
4840	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Heating	Cl. 11 of IS 302-2-4
4841	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Input And Current	Cl. 10 of IS 302-2-4
4842	ELECTRICAL- SAFETY TESTING FACILITY	Spin extractors	Input And Current	Cl. 10 of IS 302-2-4
4843	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Input And Current	Cl. 10 of IS 302-2-4
4844	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Insulation Resistance And Electric Strength (After humidity treatment) a) Leakage current b) Electric strength c) Insulation Resistance	Cl. 16 of IS 302-2-4
4845	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Internal Wiring	Cl. 23 of IEC 60335-2-4
4846	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Internal Wiring	Cl. 23 of IS 302-2-4
4847	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. 16 of IEC 60335-2-4
4848	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. 13 of IEC 60335-2-4
4849	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Marking	Cl. 7 of IS 302-2-4
4850	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Marking & Instructions	Cl. 7 of IEC 60335-2-4
4851	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Mechanical Strength	Cl. 21 of IEC 60335-2-4
4852	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Mechanical Strength	Cl. 21 of IS 302-2-4
4853	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Overload Protection	Cl. 17 of IS 302-2-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	316 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4854	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Overload Protection Of Transformers And Associated Circuits	Cl. 17 of IEC 60335-2-4
4855	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Power Input And Current	Cl. 10 of IEC 60335-2-4
4856	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Power Input And Current	Cl. 10 of IEC 60335-2-4
4857	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Protection against access to live parts	Cl. 8 of IEC 60335-2-4
4858	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Protection Against Electric Shock	Cl. 8 of IS 302-2-4
4859	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	RADIO AND TELEVISION INTERFERENCE SUPPRESSION	Cl. 14 of IS 302-2-4
4860	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Resistance to Rusting	Cl. 31 of IEC 60335-2-7
4861	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Resistance to Rusting	Cl. 31 of IS 302-2-4
4862	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Resistance to Rusting	Cl. 31 of IS 60335-2-4
4863	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Screws and Connections	Cl. 28 of IEC 60335-2-4
4864	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Screws and Connections	Cl. 28 of IS 302-2-4
4865	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Starting Of Motor Operated Appliances	Cl. 9 of IS 302-2-4
4866	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Supply Connection And External Flexible Cords	Cl. 25 of IEC 60335-2-4
4867	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Supply Connection And External Flexible Cords	Cl. 25 of IS 302-2-4
4868	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Temperature rise	Cl. 11 of IEC 60335-2-4
4869	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Terminal For External Conductor	Cl. 26 of IEC 60335-2-4
4870	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Terminal For External Conductor	Cl. 26 of IS 302-2-4
4871	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Toxicity and Similar Hazards	Cl. 32 of IEC 60335-2-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	317 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4872	ELECTRICAL- SAFETY TESTING FACILITY	Spin Extractors	Transient Over Voltages	Cl. 14 of IEC 60335-2-4
4873	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Abnormal Operation	Cl. No.19 of IS 302-2-21
4874	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Clearances, Creepage distances and Solid insulation	Cl. No. 29 of IS 302-2-21
4875	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Construction	Cl. No.22 of IS 302-2-21
4876	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Internal Wiring	Cl. No.23 of IS 302-2-21
4877	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Leakage Current And Electric Strength	Cl. No.16 of IS 302-2-21
4878	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Leakage Current And Electric Strength At Operating Temperature	Cl. No.13 of IS 302-2-21
4879	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Marking and Instructions	Cl. No.7 of IS 302-2-21
4880	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Mechanical Strength	Cl. No. 21 of IS 302-2-21
4881	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Moisture Resistance Test	Cl. No.15 of IS 302-2-21
4882	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Overload Protection Of Transformers And Associated Circuits	Cl. No.17 of IS 302-2-21
4883	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Power Input and Current	Cl. No.10 of IS 302-2-21
4884	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Power Input And Current	Cl. No.10 of IS 302-2-21
4885	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Protection Against Access To Live Parts	Cl.No. 8 of IS 302-2-21
4886	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Provision For Earthing	Cl. No.27 of IS 302-2-21
4887	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Resistance to heat and fire	Cl. No.30 of IS 302-2-21
4888	ELECTRICAL- SAFETY TESTING FACILITY	Stationary storage Type Electric Water Heater	Resistance to Rusting	Cl.No.31 of IS 302-2-21
4889	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Screws and Connections	Cl.No.28 of IS 302-2-21

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	318 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4890	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Stability and Mechanical Hazards	Cl.No.20 of IS 302-2-21
4891	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Supply Connection And External Flexible Cords	Cl.No.25 of IS 302-2-21
4892	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Temperature Rise	Cl. No. 11 of IS 302-2-21
4893	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Terminal For External Conductor	Cl.No.26 of IS 302-2-21
4894	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Toxicity and Similar Hazards	Cl. No.32 of IS 302-2-21
4895	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Transient Over Voltages	Cl.No.14 of IS 302-2-21
4896	ELECTRICAL- SAFETY TESTING FACILITY	Stationary Storage Type Electric Water Heater	Verification of Components	Cl. No.24 of IS 302-2-21
4897	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Abnormal Operation	Cl. No. 19 of IEC 60335-2-9
4898	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Abnormal Operation	Cl. No. 19 of IS 302-2-9
4899	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Clearance, Creepage distances and solid insulation	Cl. No. 29 of IEC 60335-2-9
4900	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Clearance, Creepage distances and solid insulation	Cl. No. 29 of IS 302-2-9
4901	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Construction	Cl. No. 22 of IEC 60335-2-9
4902	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Construction	Cl. No. 22 of IS 302-2-9
4903	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Heating	Cl. No. 11 of IEC 60335-2-9
4904	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Heating	Cl. No. 11 of IS 302-2-9
4905	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Internal wiring	Cl. No. 23 of IEC 60335-2-9
4906	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Internal wiring	Cl. No. 23 of IS 302-2-9
4907	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. No. 16 of IEC 60335-2-9

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	319 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4908	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Leakage Current And Electric Strength (a) Leakage Current (b) High Voltage	Cl. No. 16 of IS 302-2-9
4909	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Leakage Current And Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. No. 13 of IEC 60335-2-9
4910	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Leakage Current and Electric Strength At Operating Temperature (a) Leakage Current (b) Electric strength	Cl. No. 13 of IS 302-2-9
4911	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Marking and Instructions	Cl. No. 7 of IEC 60335-2-9
4912	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	MARKING AND INSTRUCTIONS	Cl. No. 7 of IS 302-2-9
4913	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Mechanical Strength	Cl. No. 21 of IEC 60335-2-9
4914	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Mechanical strength	Cl. No. 21 of IS 302-2-9
4915	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Moisture resistance	Cl. No. 15 of IS 302-2-9
4916	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Moisture resistance test	Cl. No. 15 of IEC 60335-2-9
4917	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Overload protection of transformers and associated circuits	Cl. No. 17 of IEC 60335-2-9
4918	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Overload protection of transformers and associated circuits	Cl. No. 17 of IS 302-2-9
4919	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Power Input And Current	Cl. No. 10 of IEC 60335-2-9
4920	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Power Input And Current	Cl. No. 10 of IS 302-2-9
4921	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Power input and current	Cl. No. 10 of IS 302-2-9
4922	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Power input and current	Cl. No.10 of IEC 60335-2-9
4923	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Protection Against Access To Live Parts	Cl. No. 8 of IEC 60335-2-9

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	320 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4924	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Protection against access to live parts	Cl. No. 8 of IS 302-2-9
4925	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Provision For Earthing	Cl. No. 27 of IEC 60335-2-9
4926	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Provision for earthing	Cl. No. 27 of IS 302-2-9
4927	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Resistance to heat and fire	Cl. No. 30 of IS 302-2-9
4928	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Resistance to heat, and Fire	Cl. No. 30 of IEC 60335-2-9
4929	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Resistance to rusting	Cl. No. 31 of IEC 60335-2-9
4930	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Resistance to rusting	Cl. No. 31 of IS 302-2-9
4931	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Screws and Connections	Cl. No. 28 of IEC 60335-2-9
4932	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Screws and connections	Cl. No. 28 of IS 302-2-9
4933	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Stability and Mechanical Hazards	Cl. No. 20 of IEC 60335-2-9
4934	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Stability and mechanical hazards	Cl. No. 20 of IS 302-2-9
4935	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Supply Connection And External Flexible Cables and Cords	Cl. No. 25 of IEC 60335-2-9
4936	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Supply Connection And External Flexible Cables and Cords	Cl. No. 25 of IS 302-2-9
4937	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Terminal For External Conductors	Cl. No. 26 of IEC 60335-2-9
4938	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Terminals for external conductors	Cl. No. 26 of IS 302-2-9
4939	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Toxicity and Similar Hazards	Cl. No. 32 of IEC 60335-2-9
4940	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Toxicity and Similar Hazards	Cl. No. 32 of IS 302-2-9
4941	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Transient overvoltages	Cl. No. 14 of IEC 60335-2-9

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	321 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4942	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Transient overvoltages	Cl. No. 14 of IS 302-2-9
4943	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Verification of Components	Cl. No. 24 of IEC 60335-2-9
4944	ELECTRICAL- SAFETY TESTING FACILITY	Toasters, Grills, Roasters and Similar Appliances	Verification of Components	Cl. No. 24 of IS 302-2-9
4945	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Construction	Cl. No. 9 of IS 14927 (Part 2)
4946	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Access to Live Parts	Cl. No.9.4 of IS 14927 (Part 1)
4947	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Cable Supporting Test	Cl. No.10.2 of IS 14927 (Part 1)
4948	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Cable Supporting Test	Cl. No.10.2 of IS 14927 (Part 2)
4949	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Construction	Cl. No.9.1 of IS 14927 (Part 1)
4950	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Construction	Cl. No.9.2 of IS 14927 (Part 1)
4951	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Construction	Cl. No.9.5 of IS 14927 (Part 1)
4952	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Constructions	Cl. No.9.3 of IS 14927 (Part 1)
4953	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Cover Retention Test	Cl. No.10.6 of IS 14927 (Part 1)
4954	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Dimension	Cl. No.8 of IS 14927 (Part 1)
4955	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Characteristics (Earthing Resistance)	Cl. No.12 of IS 14927 (Part 2)
4956	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Characteristics (Earthing Resistance)	Cl. No.12.2.2 of IS 14927 (Part 1)
4957	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Characteristics (Resistance of sample per unit length)	Cl. No.12 of IS 14927 (Part 2)
4958	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Characteristics (Resistance of sample per unit length)	Cl. No.12.2.1 of IS 14927 (Part 1)
4959	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Strength & Insulation Resistance	Cl. No.12 of IS 14927 (Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	322 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4960	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Electrical Strength & Insulation Resistance	Cl. No.12.3 of IS 14927 (Part 1)
4961	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	External Load Test	Cl. No.10.5 of IS 14927 (Part 2)
4962	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Impact Test	Cl. No. 10.3 of IS 14927 (Part 1)
4963	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Impact Test	Cl. No.10.3 of IS 14927 (Part 2)
4964	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Linear deflection test	Cl. No.10.4 of IS 14927 (Part 1)
4965	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Marking	Cl. No.7 of IS 14927 (Part 1)
4966	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Marking	Cl. No.7 of IS 14927 (Part 2)
4967	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Resistance to flame propagation (Flame Test)	Cl. No. 11 of IS 14927 (Part 2)
4968	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Resistance to flame propagation (Flame Test)	Cl. No. 11.1.1 of IS 14927 (Part 1)
4969	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Resistance to flame propagation (Glow Wire Test)	Cl. No. 11 of IS 14927 (Part 2)
4970	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Resistance to flame propagation (Glow Wire Test)	Cl. No.11.1.2 of IS 14927 (Part 1)
4971	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Thermal Stress Test on Membrane	Cl. No.9.6 of IS 14927 (Part 1)
4972	ELECTRICAL- WIRING ACCESSORIES	Cable trunking & ducting systems	Torque test on Glands	Cl. No.9.7 of IS 14927 (Part 1)
4973	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Resistance to burning (Flammability Test)	Cl. No. 11 of IS 9537 (Part 1)
4974	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Bending Test	Cl. No. 9.2 of IS 9537 (Part 1)
4975	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Collapse Test	Cl. No. 9.5 of IS 9537 (Part 1)
4976	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Compression Test	Cl. No. 9.3 of IS 9537 (Part 1)
4977	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Constructions	Cl. No. 8 of IS 9537 (Part 1)
4978	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Dimension	Cl. No.7 of IS 9537 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	323 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4979	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Electrical Characteristics (Electrical Strength Test & Insulation Resistance Test)	Cl. No. 12 of IS 9537 (Part 1)
4980	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	External Influences (Test for ingress protection and test for protection against corrosion)	Cl. No. 13 of IS 9537 (Part 1)
4981	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Impact Test	Cl. No. 9.4 of IS 9537 (Part 1)
4982	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations	Marking	Cl. No. 6 of IS 9537 (Part 1)
4983	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	Compression Test	Cl. No. 9.3 of IS 9537 (Part 2)
4984	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	External Influences (Test for ingress protection and test for protection against corrosion)	Cl. No. 13 of IS 9537 (Part 2)
4985	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	Bending Test	Cl. No. 9.2 of IS 9537 (Part 2)
4986	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	Constructions	Cl. No. 8 of IS 9537 (Part 2)
4987	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	Dimension	Cl. No. 7 of IS 9537 (Part 2)
4988	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 2: Rigid steel conduits)	Marking	Cl. No. 6 of IS 9537 (Part 2)
4989	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Resistance to burning (Flame Test)	Cl. No. 11 of IS 9537 (Part 3)
4990	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Bending Test (at low temperature & room temperature)	Cl. No. 9.2 of IS 9537 (Part 3)
4991	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Collapse Test	Cl. No. 9.5 of IS 9537 (Part 3)
4992	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Compression Test	Cl. No. 9.3 of IS 9537 (Part 3)
4993	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Constructions	Cl. No. 8 of IS 9537 (Part 3)
4994	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Dimension	Cl. No. 7 of IS 9537 (Part 3)
4995	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Electrical Characteristics (Electrical Strength Test & Insulation Resistance Test)	Cl. No. 12 of IS 9537 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 324 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
4996	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	External Influences (Test for ingress protection and test for protection against corrosion)	Cl. No. 13 of IS 9537 (Part 3)
4997	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Impact Test	Cl. No. 9.4 of IS 9537 (Part 3)
4998	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Marking	Cl. No. 6 of IS 9537 (Part 3)
4999	ELECTRICAL- WIRING ACCESSORIES	Conduits for electrical installations (Part 3: Rigid plain conduits of insulating material)	Resistance to heat (Ball pressure test)	Cl. No. 10 of IS 9537 (Part 3)
5000	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5001	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5002	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5003	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5004	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5005	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5006	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5007	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5008	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5009	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5010	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5011	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5012	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	325 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5013	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5014	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5015	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5016	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616
5017	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5018	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5019	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5020	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5021	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5022	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5023	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5024	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5025	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5026	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	External flexible cords	Cl. No. 16 of IS 616
5027	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	External flexible cords	Cl. No. 16 of IS 616
5028	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	External flexible cords	Cl. No. 16 of IS 616
5029	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	External flexible cords	Cl. No. 16 of IS 616
5030	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault condition	Cl. No. 11 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	326 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5031	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault condition	Cl. No. 11 of IS 616
5032	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault conditions	Cl. No. 11 of IS 616
5033	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault conditions	Cl. No. 11 of IS 616
5034	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault conditions	Cl. No. 11 of IS 616
5035	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault conditions	Cl. No. 11 of IS 616
5036	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Fault conditions	Cl. No. 11 of IS 616
5037	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Heating under normal operating conditions	Cl. No. 7 of IS 616
5038	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Heating under normal operating conditions	Cl. No. 7 of IS 616
5039	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Heating under normal operating conditions	Cl. No. 7 of IS 616
5040	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5041	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation requirements	Cl. No. 10 of IS 616
5042	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation requirements	Cl. No. 10 of IS 616
5043	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation Requirements	Cl. No. 10 of IS 616
5044	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation Requirements	Cl. No. 10 of IS 616
5045	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation requirements	Cl. No. 10 of IS 616
5046	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation requirements	Cl. No. 10 of IS 616
5047	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Insulation requirements	Cl. No. 10 of IS 616
5048	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Jointed insulation	Cl. No. 13.6 of IS 616
5049	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Marking and instructions	Cl. No. 5 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 327 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5050	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5051	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5052	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	mechanical strength	Cl. No. 12 of IS 616
5053	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5054	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5055	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5056	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5057	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Mechanical strength	Cl. No. 12 of IS 616
5058	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5059	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistance to fire	Cl. No. 20 of IS 616
5060	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistance to fire	Cl. No. 20 of IS 616
5061	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistance to fire	Cl. No. 20 of IS 616
5062	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistance to fire	Cl. No. 20 of IS 616
5063	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistance to fire	Cl. No. 20 of IS 616
5064	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5065	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5066	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5067	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 328 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5068	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5069	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5070	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5071	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5072	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5073	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5074	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5075	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5076	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5077	ELECTRONICS- AUDIO EQUIPMENT	Amplifiers	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5078	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5079	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5080	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5081	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5082	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5083	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	329 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5084	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5085	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5086	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5087	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5088	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5089	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5090	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5091	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5092	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616
5093	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5094	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5095	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5096	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5097	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5098	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5099	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 330 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5100	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5101	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5102	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5103	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5104	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5105	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5106	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5107	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5108	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Fault conditions	Cl. No. 11 of IS 616
5109	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions	Cl. No. 7 of IS 616
5110	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions	Cl. No. 7 of IS 616
5111	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions	Cl. No. 7 of IS 616
5112	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Heating under normal operating conditions	Cl. No. 7 of IS 616
5113	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements	Cl. No. 10 of IS 616
5114	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements	Cl. No. 10 of IS 616
5115	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements	Cl. No. 10 of IS 616
5116	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements	Cl. No. 10 of IS 616
5117	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Insulation requirements	Cl. No. 10 of IS 616
5118	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Marking and instructions	Cl. No. 5 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	331 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5119	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5120	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5121	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5122	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5123	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5124	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5125	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Mechanical strength	Cl. No. 12 of IS 616
5126	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Resistance to fire	Cl. No. 20 of IS 616
5127	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Resistance to fire	Cl. No. 20 of IS 616
5128	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Resistance to fire	Cl. No. 20 of IS 616
5129	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards	Cl. No. 19 of IS 616
5130	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards	Cl. No. 19 of IS 616
5131	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards	Cl. No. 19 of IS 616
5132	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Stability and mechanical hazards	Cl. No. 19 of IS 616
5133	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5134	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5135	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus	Verification of Components	Cl. No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5136	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	332 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5137	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5138	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5139	ELECTRONICS- AUDIO EQUIPMENT	Audio, Video and Similar Electronic Apparatus (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5140	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5141	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Constructional requirements with regard to the protection against electric shock	Cl. No. 8.12, 8.13, 8.17 of IS 616
5142	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Jointed insulation	Cl. No. 13.6 of IS 616
5143	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5144	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5145	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5146	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5147	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5148	ELECTRONICS- AUDIO EQUIPMENT	Audio-Video and Similar Electronics Apparatus (Only Products with External Cords)	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5149	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5150	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Resistance to fire	Cl. No. 20 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 333 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5151	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5152	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5153	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5154	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5155	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5156	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5157	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5158	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5159	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5160	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5161	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5162	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5163	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5164	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5165	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5166	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	334 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5167	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5168	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5169	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5170	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5171	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5172	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5173	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5174	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5175	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5176	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	External flexible cords	Cl. No. 16 of IS 616
5177	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	External flexible cords	Cl. No. 16 of IS 616
5178	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	External flexible cords	Cl. No. 16 of IS 616
5179	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	External flexible cords	Cl. No. 16 of IS 616
5180	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault condition	Cl. No. 11 of IS 616
5181	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault condition	Cl. No. 11 of IS 616
5182	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault conditions	Cl. No. 11 of IS 616
5183	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault conditions	Cl. No. 11 of IS 616
5184	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault conditions	Cl. No. 11 of IS 616
5185	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault conditions	Cl. No. 11 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	335 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5186	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Fault conditions	Cl. No. 11 of IS 616
5187	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Heating under normal operating conditions	Cl. No. 7 of IS 616
5188	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Heating under normal operating conditions	Cl. No. 7 of IS 616
5189	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Heating under normal operating conditions	Cl. No. 7 of IS 616
5190	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5191	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation requirements	Cl. No. 10 of IS 616
5192	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation requirements	Cl. No. 10 of IS 616
5193	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation Requirements	Cl. No. 10 of IS 616
5194	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation requirements	Cl. No. 10 of IS 616
5195	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation requirements	Cl. No. 10 of IS 616
5196	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation requirements	Cl. No. 10 of IS 616
5197	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Insulation Requirements	Cl. No. 10 of IS 616
5198	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Jointed insulation	Cl. No. 13.6 of IS 616
5199	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Marking and instructions	Cl. No. 5 of IS 616
5200	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5201	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616
5202	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	mechanical strength	Cl. No. 12 of IS 616
5203	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616
5204	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	336 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5205	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616
5206	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616
5207	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Mechanical strength	Cl. No. 12 of IS 616
5208	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5209	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Resistance to fire	Cl. No. 20 of IS 616
5210	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Resistance to fire	Cl. No. 20 of IS 616
5211	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Resistance to fire	Cl. No. 20 of IS 616
5212	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5213	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Stability and mechanical hazards	Cl. No. 19 of IS 616
5214	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Stability and mechanical hazards	Cl. No. 19 of IS 616
5215	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Stability and mechanical hazards	Cl. No. 19 of IS 616
5216	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Stability and mechanical hazards	Cl. No. 19 of IS 616
5217	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Stability and mechanical hazards	Cl. No. 19 of IS 616
5218	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only for products with external flexible cords)	Cl. No. 15.3 of IS 616
5219	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	337 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5220	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5221	ELECTRONICS- AUDIO EQUIPMENT	Electronic musical system, juke boxes	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5222	ELECTRONICS- AUDIO EQUIPMENT	Headphones and Earphone, Smart Speakers, Speakers (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5223	ELECTRONICS- AUDIO EQUIPMENT	Headphones and Earphone, Speakers (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5224	ELECTRONICS- AUDIO EQUIPMENT	Headphones and Earphone, Speakers (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5225	ELECTRONICS- AUDIO EQUIPMENT	Headphones and Earphone, Speakers (Only Products with External Cords)	External flexible cords	Cl. No. 16 of IS 616
5226	ELECTRONICS- AUDIO EQUIPMENT	Headphones and Earphone, Speakers (Only Products with External Cords)	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5227	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5228	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5229	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5230	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5231	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5232	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5233	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5234	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 338 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5235	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5236	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5237	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5238	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5239	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616:
5240	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5241	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5242	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5243	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5244	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5245	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5246	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5247	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5248	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616 :
5249	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616 :
5250	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault condition	Cl. No. 11 of IS 616 :
5251	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault condition	Cl. No. 11 of IS 616 :

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	339 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5252	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault conditions	Cl. No. 11 of IS 616 :
5253	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault conditions	Cl. No. 11 of IS 616 :
5254	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault conditions	Cl. No. 11 of IS 616 :
5255	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault conditions	Cl. No. 11 of IS 616 :
5256	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Fault conditions	Cl. No. 11 of IS 616 :
5257	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Heating under normal operating conditions	Cl. No. 7 of IS 616 :
5258	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Heating under normal operating conditions	Cl. No. 7 of IS 616 :
5259	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Heating under normal operating conditions	Cl. No. 7 of IS 616 :
5260	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Heating under normal operating conditions	Cl. No. 7.2 of IS 616 :
5261	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation requirements	Cl. No. 10 of IS 616:
5262	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation requirements	Cl. No. 10 of IS 616:
5263	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation Requirements	Cl. No. 10 of IS 616:
5264	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation Requirements	Cl. No. 10 of IS 616:
5265	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation requirements	Cl. No. 10 of IS 616:
5266	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation requirements	Cl. No. 10 of IS 616:
5267	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Insulation requirements	Cl. No. 10 of IS 616:
5268	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Jointed insulation	Cl. No. 13.6 of IS 616:
5269	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Marking and instructions	Cl. No. 5 of IS 616:
5270	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 340 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5271	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5272	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	mechanical strength	Cl. No. 12 of IS 616
5273	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5274	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5275	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5276	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5277	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Mechanical strength	Cl. No. 12 of IS 616
5278	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5279	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistance to fire	Cl. No. 20 of IS 616
5280	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistance to fire	Cl. No. 20 of IS 616
5281	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistance to fire	Cl. No. 20 of IS 616
5282	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistance to fire	Cl. No. 20 of IS 616
5283	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistance to fire	Cl. No. 20 of IS 616
5284	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5285	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5286	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5287	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5288	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Stability and mechanical hazards	Cl. No. 19 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	341 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5289	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Stability and mechanical hazards	Cl. No. 19 of IS 616
5290	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5291	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5292	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616 :
5293	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616 :
5294	ELECTRONICS- AUDIO EQUIPMENT	Wireless Headphones and Earphone, Smart Speakers, Bluetooth Speakers	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5295	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5296	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5297	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5298	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5299	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5300	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5301	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5302	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5303	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 342 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5304	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5305	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5306	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5307	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5308	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5309	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5310	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5311	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5312	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5313	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5314	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5315	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5316	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 (Except Clause 9.1.6)
5317	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5318	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5319	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault condition	Cl. No. 11 of IS 616
5320	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault condition	Cl. No. 11 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	343 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5321	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault conditions	Cl. No. 11 of IS 616
5322	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault conditions	Cl. No. 11 of IS 616
5323	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault conditions	Cl. No. 11 of IS 616
5324	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Fault conditions	Cl. No. 11 of IS 616
5325	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Heating under normal operating conditions	Cl. No. 7 of IS 616
5326	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Heating under normal operating conditions	Cl. No. 7 of IS 616
5327	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Heating under normal operating conditions	Cl. No. 7 of IS 616
5328	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5329	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation requirements	Cl. No. 10 of IS 616
5330	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation requirements	Cl. No. 10 of IS 616
5331	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation Requirements	Cl. No. 10 of IS 616
5332	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation requirements	Cl. No. 10 of IS 616
5333	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation requirements	Cl. No. 10 of IS 616
5334	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Insulation requirements	Cl. No. 10 of IS 616
5335	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Jointed insulation	Cl. No. 13.6 of IS 616
5336	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Marking and instructions	Cl. No. 5 of IS 616
5337	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5338	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5339	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	mechanical strength	Cl. No. 12 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 344 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5340	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5341	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5342	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5343	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5344	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Mechanical strength	Cl. No. 12 of IS 616
5345	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5346	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Resistance to fire	Cl. No. 20 of IS 616
5347	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Resistance to fire	Cl. No. 20 of IS 616
5348	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Resistance to fire	Cl. No. 20 of IS 616
5349	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Resistance to fire	Cl. No. 20 of IS 616
5350	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5351	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Stability and mechanical hazards	Cl. No. 19 of IS 616
5352	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Stability and mechanical hazards	Cl. No. 19 of IS 616
5353	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Stability and mechanical hazards	Cl. No. 19 of IS 616
5354	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Stability and mechanical hazards	Cl. No. 19 of IS 616
5355	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Stability and mechanical hazards	Cl. No. 19 of IS 616
5356	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5357	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 345 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5358	ELECTRONICS- AUDIO EQUIPMENT	Wireless Microphones	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5359	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5360	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment - Determination of Power consumption - Part 3: Television sets	Determination of peak Luminance ratio and Power Factor	Cl. no.6.5 of IEC 62087-3
5361	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment - Determination of Power consumption - Part 3: Television sets	Determination of power consumption , Off Mode	Cl. no.6.7 of IEC 62087-3
5362	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment - Determination of Power consumption - Part 3: Television sets	Determination of power consumption , On Mode	Cl. no.6.4 of IEC 62087-3
5363	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment - Determination of Power consumption - Part 3: Television sets	Determination of power consumption , Partial On Mode	Cl. no.6.6 of IEC 62087-3
5364	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment - Determination of power consumption - Part 6: Audio equipment	Power Measurement	Cl. no. 6.3 of IEC 62087-6
5365	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment: Set-top-boxes	Power Measurement	Cl.No. 5.4 of IEC 62087-5
5366	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio, video, and related equipment: Video recording equipment	Power Measurement	Cl. no. 5.3.5 of IEC 62087-4
5367	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Terminals Provisions for protective earthing	Cl. No. 15.2 of IEC 60065:
5368	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5369	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5370	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5371	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 346 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5372	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5373	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5374	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Clearances and Creepage Distances	Cl. No. 13 of IEC 60065:
5375	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5376	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of /IEC 60065:
5377	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5378	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5379	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5380	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5381	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IEC 60065:
5382	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IEC 60065:
5383	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Devices forming a part of the Mains plug	Cl. No. 15.4 of IEC 60065:
5384	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5385	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	347 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5386	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5387	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5388	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5389	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5390	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electric shock hazard under normal operating conditions	Cl. No. 9 of IEC 60065:
5391	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electrical connections and mechanical fixings	Cl. No. 17 of IEC 60065:
5392	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Electrical connections and mechanical fixings	Cl. No. 17 of IEC 60065:
5393	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	External flexible cords	Cl. No. 16 of IEC 60065:
5394	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	External flexible cords	Cl. No. 16 of IEC 60065:
5395	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	External flexible cords	Cl. No. 16 of IEC 60065:
5396	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	External flexible cords	Cl. No. 16 of IEC 60065:
5397	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault condition	Cl. No. 11 of IEC 60065:
5398	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault condition	Cl. No. 11 of IEC 60065:
5399	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault conditions	Cl. No. 11 of IEC 60065:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	348 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5400	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault conditions	Cl. No. 11 of IEC 60065:
5401	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault conditions	Cl. No. 11 of IEC 60065:
5402	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Fault conditions	Cl. No. 11 of IEC 60065:
5403	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Heating under normal operating conditions	Cl. No. 7 of IEC 60065:
5404	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Heating under normal operating conditions	Cl. No. 7 of IEC 60065:
5405	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Heating under normal operating conditions	Cl. No. 7 of IEC 60065:
5406	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Heating under normal operating conditions	Cl. No. 7.2 of IEC 60065:
5407	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation requirements	Cl. No. 10 of IEC 60065:
5408	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation requirements	Cl. No. 10 of IEC 60065:
5409	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation Requirements	Cl. No. 10 of IEC 60065:
5410	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation requirements	Cl. No. 10 of IEC 60065:
5411	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation requirements	Cl. No. 10 of IEC 60065:
5412	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Insulation requirements	Cl. No. 10 of IEC 60065:
5413	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Jointed insulation	Cl. No. 13.6 of IEC 60065:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	349 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5414	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Marking and instructions	Cl. No. 5 of IEC 60065:
5415	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Measurement of transient voltage	Cl. No. 13.3.4 of IEC 60065:
5416	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065
5417	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	mechanical strength	Cl. No. 12 of IEC 60065:
5418	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065:
5419	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065:
5420	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065:
5421	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065:
5422	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Mechanical strength	Cl. No. 12 of IEC 60065:
5423	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IEC 60065:
5424	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Resistance to fire	Cl. No. 20 of IEC 60065:
5425	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Resistance to fire	Cl. No. 20 of IEC 60065:
5426	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Resistance to fire	Cl. No. 20 of IEC 60065:
5427	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Resistance to fire	Cl. No. 20 of IEC 60065:

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 350 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5428	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IEC 60065:
5429	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Stability and mechanical hazards	Cl. No. 19 of IEC 60065:
5430	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Stability and mechanical hazards	Cl. No. 19 of IEC 60065:
5431	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Stability and mechanical hazards	Cl. No. 19 of 60065
5432	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Stability and mechanical hazards	Cl. No. 19 of IEC 60065
5433	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Stability and mechanical hazards	Cl. No. 19 of IEC 60065:
5434	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IEC 60065
5435	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Terminals Provisions for protective earthing	Cl. No. 15.2 of IEC 60065
5436	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IEC 60065:
5437	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Audio-Video Electronic Equipment	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IEC 60065:
5438	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Checking of diamensions	Cl.N. 9.5.14 of IS 11037
5439	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Creepage distances and Clearances	Cl. No.9.5.9 of IS : 11037

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 351 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5440	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Earthing connection test	Cl.No. 9.5.5 of IS : 11037
5441	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Electrical endurance test	Cl. no. 9.5.10 of IS : 11037
5442	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Environmental test -Cold test - Dry test -Vibration test	Cl. No. 9.5.11 of IS : 11037
5443	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	High Voltage	Cl. No. 9.5.3 of IS : 11037
5444	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Insulation resistance tests	Cl.No. 9.5.4 of IS : 11037
5445	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Leakage current test	Cl.No. 9.5.2 of IS : 11037
5446	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Marking	Cl. No. 9.1 of IS 11037
5447	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Marking	Cl. No. 9.2 of IS 11037
5448	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Mechanical strength test	Cl. no. 9.5.8 & cl 7.4 of IS : 11037
5449	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Moisture resistance test	Cl. no. 9.5.7 of IS : 11037
5450	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Performance Test (Starting test and Fan speed test)	Cl. no. 8.0 of IS : 11037
5451	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Protection Against Electric shock	Cl. no. 9.5.6 of IS : 11037
5452	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Radio and television interference suppression test	Cl.No. 7.6 of IS 11037
5453	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Resistance to Abnormal Heat and to Fire (Glow -wire test)	Cl. No. 9.5.12 of IS 11037

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	352 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5454	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Resistance to rusting	Cl. no. 9.5.13 of IS : 11037
5455	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Temperature rise test	Cl. no.9.5.1 & Cl. 7.3 of IS : 11037
5456	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Electronic type fan regulators	Voltage drop test	Cl. no. 7.7 of IS : 11037
5457	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Diaplay & its components	Clearances and Creepage Distances	Cl. no.13 of IS 616
5458	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its component	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5459	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its component	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5460	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. No. 12 of IS 616
5461	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5462	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5463	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5464	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5465	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5466	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5467	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 353 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5468	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5469	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5470	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5471	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5472	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl. no. 8 of IS 616
5473	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5474	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5475	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616
5476	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5477	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5478	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5479	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5480	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5481	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	354 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5482	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5483	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5484	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	External flexible cords	Cl. No. 16 of IS 616
5485	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	External flexible cords	Cl. No. 16 of IS 616
5486	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	External flexible cords	Cl. No. 16 of IS 616
5487	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	External flexible cords	Cl. No. 16 of IS 616
5488	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault condition	Cl. No. 11 of IS 616
5489	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616
5490	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616
5491	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616
5492	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616
5493	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616
5494	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Fault conditions	Cl. No. 11 of IS 616:2017
5495	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Heating under normal operating conditions	Cl. no. 7 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	355 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5496	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Heating under normal operating conditions	Cl. no. 7 of IS 616
5497	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Heating under normal operating conditions	Cl. no. 7 of IS 616
5498	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Heating under normal operating conditions	Cl. no. 7.2 of IS 616
5499	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation requirements	Cl. no. 10 of IS 616
5500	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation requirements	Cl. no. 10 of IS 616
5501	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation Requirements	Cl. no. 10 of IS 616
5502	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation Requirements	Cl. no. 10 of IS 616
5503	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation requirements	Cl. no. 10 of IS 616
5504	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Insulation requirements	Cl. no. 10 of IS 616
5505	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Jointed insulation	Cl. no. 13.6 of IS 616
5506	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Marking and instructions	Cl. no. 5 of IS 616
5507	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Measurement of transient voltage	Cl. no. 13.3.4 of IS 616
5508	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616
5509	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 356 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5510	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616
5511	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616
5512	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616
5513	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Mechanical strength	Cl. no. 12 of IS 616
5514	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Plugs and Sockets (Dimensional Measurements Only)	Cl. no. 15.1 of IS 616
5515	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Resistance to fire	Cl. no. 20 of IS 616
5516	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Resistance to fire	Cl. no. 20 of IS 616
5517	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Resistance to fire	Cl. no. 20 of IS 616
5518	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. no. 14.2 of IS 616
5519	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Stability and mechanical hazards	Cl. no. 19 of IS 616
5520	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Stability and mechanical hazards	Cl. no. 19 of IS 616
5521	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Stability and mechanical hazards	Cl. no. 19 of IS 616
5522	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Stability and mechanical hazards	Cl. no. 19 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	357 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5523	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Stability and mechanical hazards	Cl. no. 19 of IS 616
5524	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. no. 15.3 of IS 616
5525	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Terminals Provisions for protective earthing	Cl. no. 15.2 of IS 616
5526	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Terminals Provisions for protective earthing	Cl. no. 15.2 of IS 616
5527	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. no. 14.4 of IS 616
5528	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	LCD/LED Display/TV & its components	Verification of Components	Cl.No. 14(Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12 of IS 616
5529	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5530	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5531	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5532	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5533	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5534	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Clearances and Creepage Distances	Cl. No. 13 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	358 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5535	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5536	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5537	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5538	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5539	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5540	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5541	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5542	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5543	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616
5544	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5545	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5546	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5547	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5548	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	359 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5549	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5550	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5551	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5552	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5553	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	External flexible cords	Cl. No. 16 of IS 616
5554	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	External flexible cords	Cl. No. 16 of IS 616
5555	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	External flexible cords	Cl. No. 16 of IS 616
5556	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	External flexible cords	Cl. No. 16 of IS 616
5557	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault condition	Cl. No. 11 of IS 616
5558	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault condition	Cl. No. 11 of IS 616
5559	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault conditions	Cl. No. 11 of IS 616
5560	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault conditions	Cl. No. 11 of IS 616
5561	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault conditions	Cl. No. 11 of IS 616
5562	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault conditions	Cl. No. 11 of IS 616

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	360 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5563	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Fault conditions	Cl. No. 11 of IS 616
5564	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Heating under normal operating conditions	Cl. No. 7 of IS 616
5565	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Heating under normal operating conditions	Cl. No. 7 of IS 616
5566	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Heating under normal operating conditions	Cl. No. 7 of IS 616
5567	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5568	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation requirements	Cl. No. 10 of IS 616
5569	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation requirements	Cl. No. 10 of IS 616:
5570	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation Requirements	Cl. No. 10 of IS 616:
5571	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation requirements	Cl. No. 10 of IS 616:
5572	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation requirements	Cl. No. 10 of IS 616:
5573	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Insulation requirements	Cl. No. 10 of IS 616:
5574	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Jointed insulation	Cl. No. 13.6 of IS 616
5575	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Marking and instructions	Cl. No. 5 of IS 616
5576	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	361 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5577	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5578	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	mechanical strength	Cl. No. 12 of IS 616
5579	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5580	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5581	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5582	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5583	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Mechanical strength	Cl. No. 12 of IS 616
5584	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5585	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Resistance to fire	Cl. No. 20 of IS 616
5586	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Resistance to fire	Cl. No. 20 of IS 616
5587	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Resistance to fire	Cl. No. 20 of IS 616
5588	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Resistance to fire	Cl. No. 20 of IS 616
5589	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 362 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5590	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Stability and mechanical hazards	Cl. No. 19 of IS 616
5591	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Stability and mechanical hazards	Cl. No. 19 of IS 616
5592	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Stability and mechanical hazards	Cl. No. 19 of IS 616
5593	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Stability and mechanical hazards	Cl. No. 19 of IS 616
5594	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5595	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5596	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5597	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5598	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5599	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk Players	Stability and mechanical hazards	Cl. No. 19 of IS 616
5600	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5601	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 363 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5602	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5603	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5604	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5605	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5606	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5607	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5608	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5609	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5610	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5611	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5612	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5613	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5614	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5615	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	364 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5616	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5617	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5618	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5619	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5620	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5621	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5622	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5623	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5624	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5625	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	External flexible cords	Cl. No. 16 of IS 616
5626	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	External flexible cords	Cl. No. 16 of IS 616
5627	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	External flexible cords	Cl. No. 16 of IS 616
5628	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	External flexible cords	Cl. No. 16 of IS 616
5629	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault condition	Cl. No. 11 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	365 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5630	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault condition	Cl. No. 11 of IS 616
5631	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault conditions	Cl. No. 11 of IS 616
5632	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault conditions	Cl. No. 11 of IS 616
5633	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault conditions	Cl. No. 11 of IS 616
5634	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault conditions	Cl. No. 11 of IS 616
5635	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Fault conditions	Cl. No. 11 of IS 616
5636	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Heating under normal operating conditions	Cl. No. 7 of IS 616
5637	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Heating under normal operating conditions	Cl. No. 7 of IS 616
5638	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Heating under normal operating conditions	Cl. No. 7 of IS 616
5639	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5640	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation requirements	Cl. No. 10 of IS 616
5641	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation requirements	Cl. No. 10 of IS 616
5642	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation Requirements	Cl. No. 10 of IS 616
5643	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation requirements	Cl. No. 10 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	366 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5644	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation requirements	Cl. No. 10 of IS 616
5645	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Insulation requirements	Cl. No. 10 of IS 616
5646	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Jointed insulation	Cl. No. 13.6 of IS 616
5647	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Marking and instructions	Cl. No. 5 of IS 616
5648	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Mechanical strength	Cl. No. 12 of IS 616
5649	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	mechanical strength	Cl. No. 12 of IS 616
5650	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Mechanical strength	Cl. No. 12 of IS 616
5651	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Mechanical strength	Cl. No. 12 of IS 616
5652	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Mechanical strength	Cl. No. 12 of IS 616
5653	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Mechanical strength	Cl. No. 12 of IS 616
5654	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5655	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Resistance to fire	Cl. No. 20 of IS 616
5656	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Resistance to fire	Cl. No. 20 of IS 616
5657	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Resistance to fire	Cl. No. 20 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	367 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5658	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5659	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Stability and mechanical hazards	Cl. No. 19 of IS 616
5660	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Stability and mechanical hazards	Cl. No. 19 of IS 616
5661	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Stability and mechanical hazards	Cl. No. 19 of IS 616
5662	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Stability and mechanical hazards	Cl. No. 19 of IS 616
5663	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Stability and mechanical hazards	Cl. No. 19 of IS 616
5664	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5665	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5666	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5667	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5668	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Optical disk recorders	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	368 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5669	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5670	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Marking and instructions	Cl. No. 5 of IS 616
5671	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5672	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616
5673	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	mechanical strength	Cl. No. 12 of IS 616

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	369 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5674	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616
5675	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616
5676	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616
5677	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616
5678	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Mechanical strength	Cl. No. 12 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	370 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5679	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5680	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistance to fire	Cl. No. 20 of IS 616
5681	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistance to fire	Cl. No. 20 of IS 616
5682	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistance to fire	Cl. No. 20 of IS 61
5683	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistance to fire	Cl. No. 20 of IS 616

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	371 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5684	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistance to fire	Cl. No. 20 of IS 616
5685	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5686	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Stability and mechanical hazards	Cl. No. 19 of IS 616
5687	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Stability and mechanical hazards	Cl. No. 19 of IS 616
5688	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Stability and mechanical hazards	Cl. No. 19 of IS 616

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	372 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5689	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Stability and mechanical hazards	Cl. No. 19 of IS 616
5690	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Stability and mechanical hazards	Cl. No. 19 of IS 616
5691	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5692	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5693	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	373 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5694	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation requirements	Cl. No. 10 of IS 616:
5695	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation requirements	Cl. No. 10 of IS 616:
5696	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation Requirements	Cl. No. 10 of IS 616:
5697	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation Requirements	Cl. No. 10 of IS 616:
5698	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation requirements	Cl. No. 10 of IS 616:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	374 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5699	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation requirements	Cl. No. 10 of IS 616:
5700	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Insulation requirements	Cl. No. 10 of IS 616:
5701	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Jointed insulation	Cl. No. 13.6 of IS 616:
5702	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616 :
5703	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	External flexible cords	Cl. No. 16 of IS 616 :

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	375 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5704	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5705	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5706	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5707	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5708	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	376 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5709	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5710	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5711	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5712	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5713	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	377 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5714	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5715	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616:
5716	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616:
5717	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616:
5718	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	378 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5719	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :
5720	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :
5721	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :
5722	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :
5723	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	379 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5724	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616 :
5725	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616 :
5726	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616 :
5727	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	External flexible cords	Cl. No. 16 of IS 616 :
5728	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	External flexible cords	Cl. No. 16 of IS 616 :

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	380 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5729	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	External flexible cords	Cl. No. 16 of IS 616 :
5730	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault condition	Cl. No. 11 of IS 616 :
5731	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault condition	Cl. No. 11 of IS 616 :
5732	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault conditions	Cl. No. 11 of IS 616 :
5733	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault conditions	Cl. No. 11 of IS 616 :

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	381 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5734	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault conditions	Cl. No. 11 of IS 616 :
5735	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault conditions	Cl. No. 11 of IS 616 :
5736	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Fault conditions	Cl. No. 11 of IS 616 :
5737	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Heating under normal operating conditions	Cl. No. 7 of IS 616 :
5738	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Heating under normal operating conditions	Cl. No. 7 of IS 616 :

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	382 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5739	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Heating under normal operating conditions	Cl. No. 7 of IS 616 :
5740	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Heating under normal operating conditions	Cl. No. 7.2 of IS 616 :
5741	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616 :
5742	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Power Adapters, Electronics Games (Video), Audio and/or video educational apparatus Video projectors Electronic gaming and scoring machines Teletext equipment citizen's band apparatus Apparatus for imagery Electronic light effect apparatus Public address system Professional sound/video systems Electronic flash apparatus for photographic purpose and multimedia apparatus Webcam Video Camera	Clearances and Creepage Distances	Cl. No. 13 of IS 616 :
5743	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5744	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5745	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5746	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	383 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5747	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5748	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5749	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5750	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5751	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5752	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5753	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5754	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5755	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl. No. 8 of IS 616
5756	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Constructional requirements with regard to the protection against electric shock	Cl.No. 8.12, 8.13, 8.17 of IS 616
5757	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Devices forming a part of the Mains plug	Cl. No. 15.4 of IS 616
5758	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5759	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5760	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	384 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5761	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5762	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5763	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5764	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	External flexible cords	Cl. No. 16 of IS 616
5765	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	External flexible cords	Cl. No. 16 of IS 616
5766	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	External flexible cords	Cl. No. 16 of IS 616
5767	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault condition	Cl. No. 11 of IS 616
5768	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Insulation requirements	Cl. No. 10 of IS 616
5769	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Marking and instructions	Cl. No. 5 of IS 616
5770	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Measurement of transient voltage	Cl. No. 13.3.4 of IS 616
5771	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616
5772	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	mechanical strength	Cl. No. 12 of IS 616
5773	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616
5774	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	385 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5775	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616
5776	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616
5777	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Mechanical strength	Cl. No. 12 of IS 616
5778	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Plugs and Sockets (Dimensional Measurements Only)	Cl. No. 15.1 of IS 616
5779	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Resistance to fire	Cl. No. 20 of IS 616
5780	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Resistance to fire	Cl. No. 20 of IS 616
5781	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Resistance to fire	Cl. No. 20 of IS 616
5782	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Resistance to fire	Cl. No. 20 of IS 616
5783	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Resistors (Creepage and clearance distances, Damp heat, Surge, Resistance measurement)	Cl. No. 14.2 of IS 616
5784	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Stability and mechanical hazards	Cl. No. 19 of IS 616
5785	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Stability and mechanical hazards	Cl. No. 19 of IS 616
5786	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Stability and mechanical hazards	Cl. No. 19 of IS 616
5787	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Stability and mechanical hazards	Cl. No. 19 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	386 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5788	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Stability and mechanical hazards	Cl. No. 19 of IS 616
5789	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Terminals for external flexible cords and for permanent connections to mains supply (Dimensional Measurements only)	Cl. No. 15.3 of IS 616
5790	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5791	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Terminals Provisions for protective earthing	Cl. No. 15.2 of IS 616
5792	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Verification of Components	Cl.No. 14 (Except Cl no.. 14.2,14.4,14.5.1,14.5.2,14.5.3, 14.6,14.7 and 14.12.) of IS 616
5793	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Clearances and Creepage Distances	Cl. No. 13 of IS 616
5794	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5795	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electric shock hazard under normal operating conditions	Cl. No. 9 of IS 616
5796	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Electrical connections and mechanical fixings	Cl. No. 17 of IS 616
5797	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	External flexible cords	Cl. No. 16 of IS 616
5798	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault conditions	Cl. No. 11 of IS 616
5799	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault conditions	Cl. No. 11 of IS 616
5800	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault conditions	Cl. No. 11 of IS 616

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	387 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5801	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault conditions	Cl. No. 11 of IS 616
5802	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Fault conditions	Cl. No. 11 of IS 616
5803	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Heating under normal operating conditions	Cl. No. 7 of IS 616
5804	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Heating under normal operating conditions	Cl. No. 7 of IS 616
5805	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Heating under normal operating conditions	Cl. No. 7 of IS 616
5806	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Heating under normal operating conditions	Cl. No. 7.2 of IS 616
5807	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Insulation requirements	Cl. No. 10 of IS 616
5808	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Insulation requirements	Cl. No. 10 of IS 616
5809	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Insulation Requirements	Cl. No. 10 of IS 616
5810	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Insulation requirements	Cl. No. 10 of IS 616
5811	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Jointed insulation	Cl. No. 13.6 of IS 616
5812	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	Television other than Plasma/LCD/LED TVs	Test on Inductors & windings (Verification of marking and construction, Dimensional measurements on insulating material, Needle flame test)	Cl. No. 14.4 of IS 616
5813	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Clearances, Creepage and distance through insulation	Cl.No. 2.10 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 388 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5814	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Clearances, Creepage and distance through insulation	Cl.No. 2.10 of IS 13252+A1+A2
5815	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Connection to Cable Distribution Systems	Cl.No. 7 of IS 13252+A1+A2
5816	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Connections to mains supply	Cl.No. 3.2 of IS 13252+A1+A2
5817	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Connections to mains supply	Cl.No. 3.2 of IS 13252+A1+A2
5818	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Connections to mains supply	Cl.No. 3.2 of IS 13252+A1+A2
5819	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Connections to telecommunication network	Cl.No. 6 of IS 13252+A1+A2
5820	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Interconnection of equipment	Cl.No. 3.5 of IS 13252+A1+A2
5821	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Marking & Instruction	Cl.No. 1.7 of IS 13252+A1+A2
5822	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Power Interface	Cl.No. 1.6 of IS 13252+A1+A2
5823	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Provision for Earthing and Bonding	Cl.No. 2.6 of IS 13252+A1+A2
5824	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH (set-top box)	Wiring Terminals for external conductors	Cl.No. 3.3 of IS 13252+A1+A2
5825	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Connections to telecommunication network	Cl.No. 6 of IS 13252+A1+A2
5826	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
5827	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	389 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5828	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Disconnection from Main Supply	Cl.No. 3.4 of IS 13252+A1+A2
5829	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electric Strength Test	Cl.No. 5.2 of IS 13252+A1+A2
5830	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electric Strength Test	Cl.No. 5.2 of IS 13252+A1+A2
5831	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electrical Insulation	Cl.No. 2.9 of IS 13252+A1+A2
5832	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electrical Insulation	Cl.No. 2.9 of IS 13252+A1+A2
5833	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electrical Insulation	Cl.No. 2.9 of IS 13252+A1+A2
5834	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl.No. 5.1 of IS 13252+A1+A2
5835	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Limited Current Circuits	Cl.No. 2.4 of IS 13252+A1+A2
5836	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Limited Power Sources	Cl.No. 2.5 of IS 13252+A1+A2
5837	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Limited Power Sources	Cl.No. 2.5 of IS 13252+A1+A2
5838	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
5839	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Opening in Enclosure	Cl.No. 4.6 of IS 13252+A1+A2
5840	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Opening in Enclosure	Cl.No. 4.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	390 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5841	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Over-current and earth fault protection in primary circuits	Cl.No. 2.7 of IS 13252+A1+A2
5842	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Physical requirements Stability	Cl.No. 4.1 of IS 13252+A1+A2
5843	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Power Interface	Cl.No. 1.6 of IS 13252+A1+A2
5844	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Protection against hazardous moving parts	Cl.No. 4.4 of IS 13252+A1+A2
5845	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl.No. 2.1 of IS 13252+A1+A2
5846	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Provision for Earthing & Bonding	Cl.No. 2.6 of IS 13252+A1+A2
5847	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Resistance to fire	Cl.No. 4.7 of IS 13252+A1+A2
5848	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
5849	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
5850	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
5851	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
5852	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
5853	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
5854	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	391 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5855	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
5856	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252+A1+A2
5857	ELECTRONICS- DOMESTIC ELECTRONIC APPLIANCES & ACCESSORIES	TV tuner/DTH(set-top box)	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252+A1+A2
5858	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Group I &II Mobile Phone Handsets. Part-3, Indian Language Support for Mobile Handsets	Marking	Cl. No. 6.0 of IS 16333 (Part 3)
5859	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Group I &II Mobile Phone Handsets. Part-3, Indian Language Support for Mobile Handsets	Marking	Cl. No. 6.0 of IS 16333 (Part 3)
5860	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Mobile Phone Handsets: Indian Language Support for Mobile Handset	Characteristic Inputting and Readability Verification Tests	Cl. No. 5.0, 5.1, 5.2 of IS 16333 (Part 3)
5861	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Mobile Phone Handsets: Indian Language Support for Mobile Handsets	Characteristic Inputting and Readability Verification Tests	Cl. No. 5.0, 5.1 ,5.2 of IS 16333 (Part 3)
5862	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Marking	Cl. no. 8 of IS/IEC 60669-2-1
5863	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Abnormal conditions	Cl. no.101 of IS/IEC 60669-2-1
5864	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Checking of dimensions	Cl. no. 9 of IS/IEC 60669-2-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 392 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5865	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Constructional requirements	Cl.13 of IS/IEC 60669-2-1:2008
5866	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Creepage distances, clearances and distances through sealing compound	Cl.no. 23 of IS/IEC 60669-2-1
5867	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Insulation resistance and electric strength	Cl. no.16 of IS/IEC 60669-2-1
5868	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Insulation resistance and electric strength(Electric Strength test)	Cl. no.16 of IS/IEC 60669-2-1
5869	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Making and breaking capacity	Cl. no.18 of IS/IEC 60669-2-1
5870	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Mechanical Strength	Cl. 20 of IS/IEC 60669-2-1:2008
5871	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Mechanism (Verification test for undue arcing and making and breaking, Pull force test)	Cl. no.14 of IS/IEC 60669-2-1
5872	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Normal operation	Cl. no.19 of IS/IEC 60669-2-1
5873	ELECTRONICS-ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Protection against electric shock	Cl. no.10 of IS/IEC 60669-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	393 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5874	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Provision for earthing	Cl. no.11 of IS/IEC 60669-2-1
5875	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Resistance of insulating material to abnormal heat, to fire and to tracking	Cl. no. 24 of IS/IEC 60669-2-1
5876	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Resistance to heat	Cl. no.21 of IS/IEC 60669-2-1
5877	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Resistance to rusting	Cl. no.25 of IS/IEC 60669-2-1
5878	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Screw, current carrying parts and connections	Cl. no. 22 of IS/IEC 60669-2-1
5879	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Temperature rise	Cl. no.17 of IS/IEC 60669-2-1
5880	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations Part 2 Particular Requirements Section 1 Electronic Switches such as Dimmers for LED Products and others	Terminals	Cl. no.12 of IS/IEC 60669-2-1
5881	ELECTRONICS- ELECTRONIC COMPONENTS & EQUIPMENT SUB ASSEMBLIES	Switches for Household and Similar Fixed Electrical Installations: Electronic Switches such as Dimmers for LED Products	Resistance to ageing, protection provided by enclosures of switches, and resistance to humidity	Cl. no. 15 of IS/IEC 60669-2-1
5882	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IEC 60730-1
5883	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Radiated Emission Test	Cl. No. J.10.12.2 of EN 61439-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	394 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5884	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	Cl. No. 26.3.4 of IEC 60669-2-1
5885	ELECTRONICS- EMC TEST FACILITY	Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter	Conducted RF Immunity Test	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	395 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5886	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Immunity to AC Voltage Dips and Short Interruptions	TEC28822203:2022, TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:20
5887	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Electrostatic Discharge Immunity Test	Cl. 12.9.2 of IS 13779
5888	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Conducted Emission Test	Cl. No. 12.8.6 of IS 14697
5889	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Surge Immunity Test	Cl. 12.8.5 of IS 14697
5890	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. 12.8.4 of IS 14697
5891	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Electrostatic Discharge Immunity Test	Cl. 12.8.2 of IS 14697
5892	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 12.8.6 of IS 14697
5893	ELECTRONICS- EMC TEST FACILITY	AC Static Transformer operated Watt hour Meters	Radiated Immunity/ susceptibility Test	Cl. 12.8.3 of IS 14697
5894	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Conducted Emission Test	Cl. No.12.8.6 of IS 14697

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	396 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5895	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Conducted Emission Test	IEC 62053-22
5896	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Conducted Emission Test	IEC 62053-23
5897	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Dips and Short Interruption	"Withdrawn Standard" IEC 62053-23
5898	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Dips and Short Interruption	Cl. No. 12.7.2 of IS 14697
5899	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Dips and Short Interruption	IEC 62053-21
5900	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Dips and Short Interruption	IEC 62053-22
5901	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Radio Interference Disturbance Power Measurement	"Withdrawn Standard" IEC 62053-23
5902	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Radio Interference Disturbance Power Measurement	Cl.no.12.8 of IS 14697
5903	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meter	Radio Interference Disturbance Power Measurement	IEC 62053-21
5904	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge Immunity Test	Cl. No. 12.7.6.2 of IS 14697
5905	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge ImmunityTest	Cl.no.12.9.5 of IS 13779
5906	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge ImmunityTest	IEC 62053-21
5907	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge ImmunityTest	IEC 62053-22
5908	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge ImmunityTest	IEC 62053-23
5909	ELECTRONICS- EMC TEST FACILITY	AC Static transformer operated Watt-Hour & VAR-Hour Meters	Surge ImmunityTest	IEC62052-11
5910	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Conducted Emission Test	Cl. No. 12.9.6 of IS 13779
5911	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. 12.9.4 of IS 13779
5912	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Radiated Immunity/ susceptibility Test	Cl. 12.9.3 of IS 13779
5913	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 12.9.6 of IS 13779

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	397 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5914	ELECTRONICS- EMC TEST FACILITY	AC Static Watt hour Meters	Surge Immunity Test	Cl. 12.9.5 of IS 13779
5915	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Conducted Emission Test	Cl. No 12.9.6 of IS 13779
5916	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Conducted Emission Test	IEC 62053-21
5917	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Conducted Emission Test	IEC62052-11
5918	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Dips and Short Interruption	Cl. No. 12.7.2 of IS 13779
5919	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Dips and Short Interruption	IEC 60204-1
5920	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Dips and Short Interruption	IEC 62052- 11
5921	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Radio Interference Disturbance Power Measurement	Cl.no.12.9 of IS 13779
5922	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Radio Interference Disturbance Power Measurement	IEC 62052- 11
5923	ELECTRONICS- EMC TEST FACILITY	AC Static Watt-Hour Meter	Radio Interference Disturbance Power Measurement	IEC 62053-21
5924	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	IS/IEC 61800 : Part 3
5925	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	EN 61800-3
5926	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	IEC 61800-3
5927	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonic Current Emission	EN 61800-3
5928	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonic Current Emission	IS/IEC 61800 : Part 3
5929	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	IEC 61800-3
5930	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	EN 61800-3
5931	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	IEC 61800-3
5932	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Magnetic Field emission Test	IS/IEC 61800 : Part 3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	398 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5933	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	IEC 61800-3
5934	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Immunity/ susceptibility Test	IEC 61800-3
5935	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	EN 61800-3
5936	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	IEC 61800-3
5937	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Surge Immunity Test	IS/IEC 61800 : Part 3
5938	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonic Current Emission	IEC 61800-3
5939	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61800-3
5940	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61800-3
5941	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 61800 : Part 3
5942	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	IS/IEC 61800 : Part 3
5943	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	EN 61800-3
5944	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Electrostatic Discharge Immunity Test	IEC 61800-3
5945	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	EN 61800-3
5946	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Harmonics and interharmonics low frequency test	IS/IEC 61800 : Part 3
5947	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Immunity/ susceptibility Test	IS/IEC 61800 : Part 3
5948	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	EN 61800-3
5949	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	IEC 61800-3
5950	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 61800 : Part 3
5951	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	IEC 61800-3

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 399 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5952	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	IEC 61800-3
5953	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted Emission Test	EN 61800-3
5954	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	EN 61800-3
5955	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Radiated Emission Test	IS/IEC 61800 : Part 3
5956	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	EN 61800-3
5957	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Conducted RF Immunity Test	IS/IEC 61800 : Part 3
5958	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61800 : Part 3
5959	ELECTRONICS- EMC TEST FACILITY	Adjustable speed electrical power drive systems EMC requirements and specific test methods	Surge Immunity Test	EN 61800-3
5960	ELECTRONICS- EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	EN 61000-4-11
5961	ELECTRONICS- EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-4-11
5962	ELECTRONICS- EMC TEST FACILITY	All Electrical / Electronic Equipment’s	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 4 / Sec 11)
5963	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Conducted RF Immunity Test	IEC 61000-4-6
5964	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Harmonic Current Emission	EN 61000-3-12
5965	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Radiated Immunity/ susceptibility Test	BS EN IEC 61000-4-3
5966	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Radiated Immunity/ susceptibility Test	IEC 61000-4-3
5967	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	IEC 61000-4-5:2014+ A1
5968	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61000-4-4
5969	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61000-4-4
5970	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14700 : Part 4 : Sec 4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	400 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5971	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	EN 61000-4-2
5972	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	IEC 61000-4-2
5973	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Electrostatic Discharge Immunity Test	IS 14700 (Part 4 /Sec 2)
5974	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	EN 61000-4-8
5975	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	IS 14700 : Part 4 : Sec 8
5976	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	IS 14700(Part 4/Sec 9)
5977	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	IEC 61000-4-9
5978	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	EN 61000-4-5: 2014+A1
5979	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Surge Immunity Test	IS 14700 (Part 4/Sec 5)
5980	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage change, Fluctuation & Flicker measurement Test	EN 61000-3-11
5981	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage change, Fluctuation & Flicker measurement Test	EN 61000-3-3
5982	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 61000-4-29
5983	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Power Frequency Magnetic Field Immunity Test	IEC 61000-4-8
5984	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Pulse magnetic field immunity test	EN 61000-4-9
5985	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	EN 61000-4-34:2007+ A1
5986	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-4-34: 2005 +A1
5987	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 4/Sec 34)
5988	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Conducted RF Immunity Test	EN 61000-4-6:

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	401 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
5989	ELECTRONICS- EMC TEST FACILITY	All Electrical and Electronic Products	Conducted RF Immunity Test	IS 14700 : Part 4 : Sec 6
5990	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Conducted Emission Test	TEC/SD/DD/EMC-221/05/OCT:
5991	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Conducted RF Immunity Test	TEC/SD/DD/EMC-221/05/OCT-
5992	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Radiated Emission Test	TEC/SD/DD/EMC-221/05/OCT-
5993	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Radiated Immunity/ susceptibility Test	TEC/SD/DD/EMC-221/05/OCT
5994	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Electrostatic Discharge Immunity Test	K.20:2021, K.21
5995	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Electrostatic Discharge Immunity Test	TEC/SD/DD/EMC-221/05/OCT-
5996	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Voltage dips, short interruption & voltage variations Immunity	TEC/SD/DD/EMC-221/05/OCT
5997	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipment's	Conducted Emission Test	EN 60730 (Part 1): 2016 +A1:
5998	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipments	Radiated Emission Test	TEC/SD/DD/EMC-221/05/OCT
5999	ELECTRONICS- EMC TEST FACILITY	All Telecommunication equipments	Surge Immunity Test	TEC/SD/DD/EMC-221/05/OCT
6000	ELECTRONICS- EMC TEST FACILITY	Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Surge Immunity Test	IS 15884
6001	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Industrial, scientific and medical equipment	Conducted Emission Test	IS 6873 (Part 4)
6002	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic field Emission Test	IS 6873 (Part 4)
6003	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
6004	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	EN 55011: 2016+ A1:2017+A11
6005	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Radiated Emission Test	IS 6873 (Part 4)
6006	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Conducted Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
6007	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Conducted Emission Test	BS EN 55011:2016+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	402 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6008	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic Field Emission Test	CISPR 11:2015+ AMD1 :2016+AMD2
6009	ELECTRONICS- EMC TEST FACILITY	Any Electrical / Electronic Product Industrial, scientific and medical equipment	Magnetic Field Emission Test	EN 55011: 2016+ A1:2017+A11
6010	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Click measurement test	EN 61000-6-3:
6011	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Conducted Emission Test	EN 61000-6-3:
6012	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Conducted Emission Test	IEC 61000-6-3:
6013	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Radiated Emission Test	EN 61000-6-3
6014	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Radiated Emission Test	IEC 61000-6-3
6015	ELECTRONICS- EMC TEST FACILITY	Any Electrical and electronic equipment for residential use.	Click measurement test	IEC 61000-6-3:
6016	ELECTRONICS- EMC TEST FACILITY	Any Electrical and Electronic Products	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN 61000-4-29
6017	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IEC 60730-1
6018	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IEC 60730-1: 2013 + A1:2015+A2
6019	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
6020	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6021	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	EN IEC 60730-2-9
6022	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IS/IEC 60730 : Part 2 : Sec 9
6023	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	EN IEC 60730-2-9
6024	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IEC 60730-1
6025	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IS/IEC 60730 : PART 1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	403 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6026	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IS/IEC 60730 : Part 2 : Sec 9
6027	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	EN 60730-1:2016+ A1
6028	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	Cl. No. 26 of IEC 60730-2-9:2015 +A1: 2018 + A2
6029	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	EN 60730-1:2016+ A1
6030	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IEC 60730-1
6031	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6032	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	EN 60730-1:2016+ A1
6033	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	EN IEC 60730-2-9
6034	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IEC 60730-1: 2013 + A1:2015+A2 (withdrawn)
6035	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IS/IEC 60730 : Part 2 : Sec 9
6036	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6037	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6038	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	EN 60730-1:2016+ A1
6039	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IEC 60730-1
6040	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	Cl. No. 26 of IEC 60730-2-9:2015+ A1:2018+A2
6041	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	EN 60730 (Part 1): 2016 +A1
6042	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	EN IEC 60730-2-9
6043	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IEC 60730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	404 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6044	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IEC 60730-1: 2013+A1:2015+ A2
6045	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS 14700 (Part4/ Sec3)
6046	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS/IEC 60730 : Part 2 : Sec 9
6047	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	Cl. No. 26 of IEC 60730-2-9 :2015 +A1: 2018+ A2
6048	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	EN 60730-1:2016+ A1
6049	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	EN IEC 60730-2-9
6050	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IEC 60730-1
6051	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IEC 60730-1: 2013 + A1:2015+A2
6052	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Surge Immunity Test	IS/IEC 60730 : PART 1
6053	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	EN 60730-1:2016 + A1
6054	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IEC 60730-1
6055	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60730-1
6056	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 26 of IEC 60730-2-9 :2015 +A1: 2018+A2
6057	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	Electrical Fast Transient (EFT)/ Burst Immunity Test
6058	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 60730-2-9
6059	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60730-1: 2013+ A1:2015+ A2
6060	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60730 : PART 1
6061	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
6062	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	EN IEC 60730-2-9

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	405 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6063	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
6064	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	EN 60730-1:2016+A1
6065	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IEC 60730-1: 2013 + A1:2015+A2
6066	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6067	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	EN 60730-1:2016 + A1
6068	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	EN IEC 60730-2-9
6069	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IEC 60730-1
6070	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IEC 60730-1: 2013 + A1:2015+A2
6071	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 60730 : Part 2 : Sec 9
6072	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IEC 60730-1
6073	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IEC 60730-1: 2013 + A1:2015+A2(Withdrawn)
6074	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IEC 60730-2-9 :2015+A1:2018+A2:
6075	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IEC 60730-1:2013+A1:2015 +A2:
6076	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	Cl. No. 23 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6077	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	EN 60730-1:2016+ A1
6078	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted Emission Test	IEC 60730-1
6079	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 26 of IEC 60730-2-9 : 2015 +A1:2018+ A2
6080	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Click measurement test	IEC 60730-1
6081	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	EN IEC 60730-2-9

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	406 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6082	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Conducted RF Immunity Test	IS/IEC 60730 : PART 1
6083	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Electrostatic Discharge Immunity Test	IS/IEC 60730 : PART 1
6084	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Harmonic Current Emission	IS/IEC 60730 : PART 1
6085	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	EN IEC 60730-2-9
6086	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	IS/IEC 60730 : PART 1
6087	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Power Frequency Magnetic Field Immunity Test	IS/IEC 60730 : Part 2 : Sec 9
6088	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	EN IEC 60730-2-9
6089	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IS/IEC 60730 : PART 1
6090	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Emission Test	IS/IEC 60730 : Part 2 : Sec 9
6091	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Radiated Immunity/ susceptibility Test	IS/IEC 60730 : PART 1
6092	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 60730 : PART 1
6093	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	EN IEC 60730-2-9
6094	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60730 : PART 1
6095	ELECTRONICS- EMC TEST FACILITY	Automatic electrical controls for household	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60730 : Part 2 : Sec 9
6096	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA)	Electrostatic Discharge Immunity Test	ISO 10605
6097	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA)	Electrostatic Discharge Immunity Test	SAE J1113/13
6098	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Surge Immunity Test	ISO 13766-1 : 2018, ISO 13766-2
6099	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Conducted Emission Test	ISO 13766-1 : 2018, ISO 13766-2
6100	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Electrostatic Discharge Immunity Test	ISO 13766-1 : 2018, ISO 13766-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 407 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6101	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Harmonic Current Emission	ISO 13766-1 : 2018, ISO 13766-2
6102	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Radiated Emission Test	ISO 13766-1 : 2018, ISO 13766-2
6103	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Voltage change, Fluctuation & Flicker measurement Test	ISO 13766-1 : 2018, ISO 13766-2
6104	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Bulk Current Injection Test	ISO 13766-1 : 2018, ISO 13766-2
6105	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Radiated Immunity/ susceptibility Test	ISO 13766-1 : 2018, ISO 13766-2
6106	ELECTRONICS- EMC TEST FACILITY	Automotive components and Electronic Sub Assembly (ESA) of Earth-moving and building construction machinery	Electrical Fast Transient (EFT)/ Burst Immunity Test	ISO 13766-1 : 2018, ISO 13766-2
6107	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	ECE R-10 Rev 6
6108	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	IS 15040 :
6109	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	ES96200
6110	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test	TST/TS/WI/257 issue 07
6111	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	CISPR 25(withdrawn)
6112	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	CISPR 25(withdrawn)
6113	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	EN 55025
6114	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	IS 15040 :
6115	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Radiated Emission Test	IS 15040
6116	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	CISPR 25
6117	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Current Method)	EN 55025
6118	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic components and Electronic Sub Assembly (ESA)	Conducted Emission Test (Voltage Method)	CISPR 25
6119	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Surge Immunity Test	Annex 20 of AIS-004 (Part 3) (Rev.1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 408 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6120	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	Cl. No. 10 of Annex 2 of AIS-004 (Part 2)
6121	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Conducted RF Immunity Test (Bulk Current Injection Method)	SAE1113-4
6122	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Conducted RF Immunity Test (Bulk Current Injection Method)	ISO 11452-4
6123	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Electrical Fast Transient (EFT)/ Burst Immunity Test	Annex 19 of AIS-004 (Part 3) (Rev.1)
6124	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	ES96200
6125	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	ECE R-10 Rev 6
6126	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	ISO 11452-2
6127	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	MS-0032021
6128	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	TST/TS/WI/257 clause 3.0
6129	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	Cl. No. 4.1 of Annex-7 of AIS-004 (Part 3) (Rev.1)
6130	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	Cl. No. 4.3 of Annex 7 of AIS-004 (Part 3) (Rev.1)
6131	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Surge Immunity Test	ECE R-10 Rev 6
6132	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Bulk Current Injection Test	ECE R-10 Rev 6
6133	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Components and Sub Assembly (ESA)	Radiated Immunity/ susceptibility Test	Cl. No. 8 of Annex-2 of AIS-004 (Part 2)
6134	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Harmonic Current Emission	Annex-15 of AIS-004 (Part 3) (Rev.1)
6135	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Harmonic Current Emission	ECE R-10 Rev 6
6136	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	Annex-5&6 of AIS-004 (Part 3) (Rev.1):2020, AIS-004 (Part 1)
6137	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	CISPR 25
6138	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	CISPR 25(withdrawn)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	409 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6139	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	ECE R-10 Rev 6
6140	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	EN 55025
6141	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	ES96200
6142	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	MS-0032022
6143	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	SAE J1113-41
6144	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Radiated Emission Test	TST/TS/WI/257Clause 3.0
6145	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Electrical Fast Transient (EFT)/Burst Immunity Test	ECE R-10 Rev 6
6146	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Voltage change, Fluctuation & Flicker measurement Test	Annex-16 of AIS-004 (Part 3) (Rev.1
6147	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Voltage change, Fluctuation & Flicker measurement Test	ECE R-10 Rev 6
6148	ELECTRONICS- EMC TEST FACILITY	Automotive Electronic Sub Assembly (ESA)	Conducted Emission Test	Annex-17 & 18 of AIS-004 (Part 3) (Rev.1)
6149	ELECTRONICS- EMC TEST FACILITY	Communication networks & systems in substations	Conducted Emission Test	Cl. No. 6.7.4 of IEC 61850-3
6150	ELECTRONICS- EMC TEST FACILITY	Communication networks & systems in substations	Conducted Emission Test	IEC 61850-3
6151	ELECTRONICS- EMC TEST FACILITY	Communication networks & systems in substations	Radio Interference Disturbance Power Measurement	IEC 61850-3
6152	ELECTRONICS- EMC TEST FACILITY	Digital (ISM) Equipment's	Radiated Emission Test	FCC (Part 18)
6153	ELECTRONICS- EMC TEST FACILITY	Digital (ISM) Equipments	Conducted Emission Test	FCC (Part 18)
6154	ELECTRONICS- EMC TEST FACILITY	Digital Equipment's	Radiated Emission Test	FCC (Part 15) Sub part B
6155	ELECTRONICS- EMC TEST FACILITY	Digital Equipments	Conducted Emission Test	FCC (Part 15) Subpart B
6156	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Conducted Emission Test	Cl. No. 6.11 of IS 16444 (Part 1)
6157	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Radiated Immunity/ susceptibility Test	Cl. No. 6.11 of IS 16444 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	410 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6158	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Surge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
6159	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
6160	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 6.11 of IS 16444 (Part 1)
6161	ELECTRONICS- EMC TEST FACILITY	Direct Connected Smart Electricity Meters	Electrostatic Discharge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 1)
6162	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	BS EN IEC 61851-21-2
6163	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	IS 17017 : Part 21 : Sec 2
6164	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted RF Immunity Test	IS 17017 : Part 21 : Sec 2
6165	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	EN IEC 61851-21-2
6166	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	IEC 61851-21-2
6167	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	IS 17017 : Part 21 : Sec 2
6168	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	BS EN IEC 61851-21-2
6169	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	IEC 61851-21-2
6170	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	EN 61851-21-2
6171	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	IEC 61851-21-2
6172	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Emission Test	IS 17017 : Part 21 : Sec 2
6173	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	BS EN IEC 61851-21-2
6174	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	BS EN IEC 61851-21-2
6175	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	EN IEC 61851-21-2
6176	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	IEC 61851-21-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	411 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6177	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Surge Immunity Test	IS 17017 : Part 21 : Sec 2
6178	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	BS EN IEC 61851-21-2
6179	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN IEC 61851-21-2
6180	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	EN IEC 61851-21-2
6181	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61851-21-2
6182	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 17017 : Part 21 : Sec 2
6183	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Harmonic Current Emission	BS EN IEC 61851-21-2
6184	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Power Frequency Magnetic Field Immunity Test	IS 17017 : Part 21 : Sec 2
6185	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	IEC 61851-21-2
6186	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	EN 61851-21-2
6187	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted Emission Test	IEC 61851-21-2
6188	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Conducted RF Immunity Test	IEC 61851-21-2
6189	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Electrostatic Discharge Immunity Test	IEC 61851-21-2
6190	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	EN 61851-21-2
6191	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	IEC 61851-21-2
6192	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Radiated Immunity/ susceptibility Test	IS 17017 : Part 21 : Sec 2
6193	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	EN 61851-21-2
6194	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	IS 17017 : Part 21 : Sec 2
6195	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	IEC 61851-21-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	412 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6196	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage change, Fluctuation & Flicker measurement Test	IS 17017 : Part 21 : Sec 2
6197	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	BS EN IEC 61851-21-2
6198	ELECTRONICS- EMC TEST FACILITY	Electric vehicle conductive charging system	Voltage dips, short interruption & voltage variations Immunity	IS 17017 : Part 21 : Sec 2
6199	ELECTRONICS- EMC TEST FACILITY	Electrical / Electronic Equipment’s	Power Frequency Magnetic Field Immunity Test	IEC 60730-1
6200	ELECTRONICS- EMC TEST FACILITY	Electrical / Electronic Equipment’s	Radiated Immunity/ susceptibility Test	EN 60255 (Part 1)
6201	ELECTRONICS- EMC TEST FACILITY	Electrical and electronic apparatus intended for use on railway rolling stock	Electrostatic Discharge Immunity Test	IEC 62236-3-2
6202	ELECTRONICS- EMC TEST FACILITY	Electrical and electronic equipment for Residential use	Radiated Emission Test	IS 14700 (Part 6/Sec 3)
6203	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control & lab use	Radio Interference Disturbance Power Measurement	IEC 61326-1
6204	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-1
6205	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6206	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-4
6207	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-6
6208	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-2-3
6209	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-1
6210	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-2
6211	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-3
6212	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-3
6213	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-5
6214	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	413 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6215	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2 of EN 61326-2-5
6216	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-2
6217	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-2
6218	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-4:
6219	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-5
6220	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-1
6221	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-1
6222	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-2
6223	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-1
6224	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-1
6225	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-2
6226	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-4
6227	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-5
6228	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-6
6229	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-4
6230	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-5
6231	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	Cl. No. 7 of EN 61326-2-6:
6232	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-1
6233	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	414 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6234	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-1
6235	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-2
6236	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-3
6237	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-4
6238	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-5
6239	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-6
6240	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2 of EN 61326-2-5
6241	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
6242	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6243	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6244	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
6245	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-1
6246	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-2-2
6247	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-2-3
6248	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-1
6249	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-1
6250	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-2
6251	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-3
6252	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	IEC 61326-2-5

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	415 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6253	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-3
6254	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-1
6255	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
6256	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-5
6257	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6258	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
6259	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-1
6260	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-1
6261	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-2
6262	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	EN 61326-2-3
6263	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-1
6264	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-1
6265	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-2
6266	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-3
6267	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	IEC 61326-2-5
6268	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
6269	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6270	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6271	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	416 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6272	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-1
6273	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61326-2-2
6274	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-1
6275	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-1
6276	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-3
6277	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61326-2-5
6278	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-1
6279	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
6280	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6281	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-1
6282	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-1
6283	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-3
6284	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-3
6285	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-2-5
6286	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	EN 61326-2-3
6287	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2 of EN 61326-2-5
6288	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6289	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6290	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	417 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6291	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-1
6292	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-1
6293	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-2
6294	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	EN 61326-2-3
6295	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-1
6296	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-1
6297	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-2
6298	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-3
6299	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	IEC 61326-2-5
6300	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-1
6301	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity / susceptibility Test	EN 61326-2-1
6302	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2 of EN 61326-2-5
6303	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of EN 61326-2-4:
6304	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6305	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
6306	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-2-2
6307	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-2-3
6308	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-1
6309	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	418 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6310	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-3
6311	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-5
6312	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-4
6313	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-5
6314	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 7 of EN 61326-2-6
6315	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-1
6316	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-1
6317	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-2
6318	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	EN 61326-2-3
6319	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-1
6320	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-1
6321	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-3
6322	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-4
6323	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-5
6324	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-6
6325	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2 of EN 61326-2-5
6326	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of EN 61326-2-4
6327	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of EN 61326-2-6
6328	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	419 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6329	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6330	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 6.2, Table 101 of IEC 61326-2-6
6331	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-1
6332	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-1
6333	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-2
6334	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	EN 61326-2-3
6335	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-1
6336	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-2
6337	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-3
6338	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage dips, short interruption & voltage variations Immunity	IEC 61326-2-5
6339	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-1
6340	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	IEC 61326-2-1 :
6341	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	Cl. No. 7 of EN 61326-2-5
6342	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-2-4
6343	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	EN 61326-2-2
6344	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-6
6345	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	Cl. No. 7 of EN 61326-2-6
6346	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Harmonic Current Emission	IEC 61326-2-3
6347	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Emission Test	EN 61326-2-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	420 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6348	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Surge Immunity Test	EN 61326-2-1
6349	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	Cl. No. 6.2 of EN 61326-2-5
6350	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted Emission Test	IEC 61326-1
6351	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Conducted RF Immunity Test	Cl. No. 6.2, Table 101 of IEC 61326-2-4
6352	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	IEC 61326-1
6353	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Electrostatic Discharge Immunity Test	EN 61326-2-2
6354	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2, Table 101 of EN 61326-2-4
6355	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	Cl. No. 6.2, Table 101 of EN 61326-2-6
6356	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	EN 61326-1
6357	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Radiated Immunity/ susceptibility Test	IEC 61326-2-1
6358	ELECTRONICS- EMC TEST FACILITY	Electrical equipment for measurement, control and laboratory use	Voltage change, Fluctuation & Flicker measurement Test	IEC 61326-2-2
6359	ELECTRONICS- EMC TEST FACILITY	Electrical equipment of machines	Conducted Emission Test	IEC 60204-1
6360	ELECTRONICS- EMC TEST FACILITY	Electrical equipment of machines	Conducted Emission Test	IEC 60204-1
6361	ELECTRONICS- EMC TEST FACILITY	Electrical equipment of machines	Radio Interference Disturbance Power Measurement	IEC 60204-1
6362	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	CISPR 15
6363	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	EN 55015
6364	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted Emission Test	IS 6873 (Part 5)
6365	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted RF Immunity Test	EN 61547
6366	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Conducted RF Immunity Test	IEC 61547

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 421 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6367	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic Field Emission Test	CISPR 15
6368	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic Field Emission Test	EN 55015
6369	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic field Emission Test	IS 6873 (Part 5)
6370	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	CISPR 15
6371	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	EN 55015
6372	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Emission Test	IS 6873 (Part 5):
6373	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Immunity/ susceptibility Test	IEC 61547
6374	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 61547
6375	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 61547
6376	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Electrostatic Discharge Immunity Test	EN 61547
6377	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Electrostatic Discharge Immunity Test	IEC 61547
6378	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Power Frequency Magnetic Field Immunity Test	EN 61547
6379	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Power Frequency Magnetic Field Immunity Test	IEC 61547
6380	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Radiated Immunity/ susceptibility Test	EN 61547
6381	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Surge Immunity Test	EN 61547
6382	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Surge Immunity Test	IEC 61547
6383	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61547
6384	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Magnetic Field Emission Test	EN 55015
6385	ELECTRONICS- EMC TEST FACILITY	Electrical lighting and similar equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61547

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	422 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6386	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipement	Conducted Emission Test	Cl. No. 9.3.14 of IEC 62052-11
6387	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipement	Surge Immunity Test	Cl. No. 9.3.9 of EN 62052-11
6388	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipement	Surge Immunity Test	Cl. No. 9.3.9 of IEC 62052-11
6389	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Voltage dips and short interruption Test	Cl. No. 9.3.2 of IEC 62052-11
6390	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.3.6 of EN 62052-11
6391	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.3.6 of IEC 62052-11
6392	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Electrostatic Discharge Immunity Test	Cl. No. 9.3.3 of IEC 62052-11:
6393	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.3.13 of EN 62052-11
6394	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.3.13 of IEC 62052-11
6395	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Radiated Emission Test	Cl. No. 9.3.14 of EN 62052-11
6396	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Radiated Emission Test	Cl. No. 9.3.14 of IEC 62052-11
6397	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Radiated Immunity/ susceptibility Test	Cl. No. 9.3.4 & 9.3.5 of IEC 62052-11
6398	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Conducted Emission Test	Cl. No. 9.3.14 of EN 62052-11
6399	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Conducted RF Immunity Test	Cl. No. 9.3.7 of IEC 62052-11
6400	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Conducted RF Immunity Test	Cl. No. 9.3.7 of EN 62052-11
6401	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Electrostatic Discharge Immunity Test	Cl. No. 9.3.3 of EN 62052-11
6402	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Radiated Immunity/ susceptibility Test	Cl. No. 9.3.4 & 9.3.5 of EN 62052-11
6403	ELECTRONICS- EMC TEST FACILITY	Electricity Metering Equipment	Voltage dips and short interruption Test	Cl. No. 9.3.2 of EN 62052-11
6404	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	ANSI/AAMI/IEC 60601-1-2:2014/A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	423 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6405	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6406	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60601-1-2 :2014/ A1
6407	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	EN 60601-1-2:2015/ A1
6408	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6409	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6410	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	EN 60601-1-2:2015/ A1
6411	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	IEC 60601-1-2 :2014/A1
6412	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Radiated Emission Test	IS 13450 : Part 1 : SEC 2
6413	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6414	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	EN 60601-1-2:2015/ A1
6415	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	IEC 60601-1-2 :2014/ A1
6416	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Surge Immunity Test	IS 13450 : Part 1 : SEC 2
6417	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	IEC 60601-1-2 :2014/A1
6418	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	IEC 60601-1-2 :2014/A1
6419	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	EN 60601-1-2:2015/ A1
6420	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	IEC 60601-1-2 :2014/A1
6421	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted Emission Test	IS 13450 : Part 1 : SEC 2
6422	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6423	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	EN 60601-1-2:2015/ A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	424 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6424	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	IEC 60601-1-2 :2014/A1
6425	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 60601-1-2:2015/ A1
6426	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6427	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	EN 60601-1-2:2015/ A1
6428	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	IEC 60601-1-2 :2014/A1
6429	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	IEC 60601-1-2 :2014/A1
6430	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	EN 60601-1-2:2015/ A1
6431	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of EN 60601-1-2:2015/ A1
6432	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of IEC 60601-1-2 :2014/A1
6433	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	IS 13450 : Part 1 : Sec 2
6434	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	ANSI/AAMI/IEC 60601-1-2:2014/A1
6435	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	EN 60601-1-2:2015/ A1:
6436	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage change, Fluctuation & Flicker measurement Test	IS 13450 : Part 1 : SEC 2
6437	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	ANSI/AAMI/IEC 60601-1-2:2014/A1
6438	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	EN 60601-1-2:2015/ A1
6439	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Conducted RF Immunity Test	IS 13450 : Part 1 : SEC 2
6440	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 13450 : Part 1 : SEC 2
6441	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Electrostatic Discharge Immunity Test	IS 13450 : Part 1 : SEC 2
6442	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Harmonic Current Emission	ANSI/AAMI/IEC 60601-1-2:2014/A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	425 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6443	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	IS 13450 : Part 1 : SEC 2
6444	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Power Frequency Magnetic Field Immunity Test	IEC 60601-1-2 :2014/ A1
6445	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Proximity field Immunity/ susceptibility Test	Cl. 8.10 of ANSI/AAMI/IEC 60601-1-2: 2014/ A1
6446	ELECTRONICS- EMC TEST FACILITY	Electro medical devices	Voltage dips, short interruption & voltage variations Immunity	IS 13450 : Part 1 : SEC 2
6447	ELECTRONICS- EMC TEST FACILITY	Electromagnetic Compatibility (EMC) - Part 6 Generic Standards - Sec 3 : Emission Standards for Residential, Commercial and Light-Industrial Environments (First Revision)	Click measurement test	IS 14700 : Part 6 : Sec 3
6448	ELECTRONICS- EMC TEST FACILITY	Electromagnetic compatibility (EMC)- Part 3-2:Limits for harmonics current emissions (Equipment input Current=16A per phase)	Harmonic current measurements and Limits	BS EN 61000-3-2
6449	ELECTRONICS- EMC TEST FACILITY	Electromagnetic compatibility (EMC)- Part 3-2:Limits for harmonics current emissions (Equipment input Current=16A per phase)	Harmonic current measurements and Limits	Cl.No. 6.2 , 7.0 IEC 61000-3-2
6450	ELECTRONICS- EMC TEST FACILITY	Electromagnetic compatibility (EMC)- Part 3-2:Limits for harmonics current emissions (Equipment input Current=16A per phase)	Harmonic current measurements and Limits	IS 14700(Part3/Sec2)
6451	ELECTRONICS- EMC TEST FACILITY	Electromechanical control circuit devices	Conducted Emission Test	Cl. No. 7.3.3 of IEC 60947-5-1
6452	ELECTRONICS- EMC TEST FACILITY	Electromechanical control circuit devices	Conducted Emission Test	Cl. No. 8.7.3 of IS60947 (Part 5/Sec 1)
6453	ELECTRONICS- EMC TEST FACILITY	Electromechanical control circuit devices	Radio Interference Disturbance Power Measurement	IEC 60947-5-1
6454	ELECTRONICS- EMC TEST FACILITY	Electromechanical control circuit devices	Radio Interference Disturbance Power Measurement	IS 60947(Part 5/Sec 1)
6455	ELECTRONICS- EMC TEST FACILITY	Electronic control devices	Electrostatic Discharge Immunity Test	EN 60669-2-1
6456	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on rail vehicles	Conducted Emission Test	IEC 60571
6457	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on rail vehicles	Radio Interference Disturbance Power Measurement	IEC 60571
6458	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Conducted RF Immunity Test	Cl. No. 12.2.9.1 of IEC 60571
6459	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Radiated Emission Test	Cl. No. 12.2.9.1 of IEC 60571

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	426 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6460	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Radiated Immunity/ susceptibility Test	Cl. No. 12.2.9.1 of IEC 60571
6461	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Surge Immunity Test	Cl. No. 12.2.8.1 of IEC 60571
6462	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Conducted Emission Test	Cl. No. 12.2.9.2 of IEC 60571
6463	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Electrostatic Discharge Immunity Test	Cl. No. 12.2.8.2 of IEC 60571
6464	ELECTRONICS- EMC TEST FACILITY	Electronic equipment used on Rolling stock	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 12.2.8.3 of IEC 60571
6465	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	EN 55011
6466	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	EN 55014-1
6467	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	"Withdrawn Standard" CISPR 14-2
6468	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	CISPR 11
6469	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	CISPR 14-1
6470	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	CISPR 15
6471	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	CISPR 32
6472	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	Cl. No. 5.1 of IS 6873 (Part 4)
6473	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	Cl.no.4.3 of IS 6873(PART 5)
6474	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	EN 55022
6475	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted Emission Test	IEC 61547
6476	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Conducted RF Emission	"Withdrawn Standard" IEC 61547
6477	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Immunity to Conducted Disturbance	"Withdrawn Standard" IEC 61547
6478	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Immunity to Conducted disturbances	Cl. No. 5.6 of IEC 61547

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	427 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6479	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Radio Interference Disturbance Power Measurement	IEC 61547
6480	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Surge ImmunityTest	Cl. No. 5.7 of "Withdrawn Standard" IEC 61547
6481	ELECTRONICS- EMC TEST FACILITY	Equipment for general lighting purposes	Surge ImmunityTest	IEC 61547
6482	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Conducted RF Immunity Test	BS EN 54-4
6483	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Radiated Immunity/ susceptibility Test	BS EN 54-4
6484	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Pulse magnetic field immunity test	BS EN 54-4
6485	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Surge Immunity Test	BS EN 54-4
6486	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Voltage dips, short interruption & voltage variations Immunity	BS EN 54-4
6487	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	BS EN 54-4
6488	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Electrostatic Discharge Immunity Test	BS EN 54-4
6489	ELECTRONICS- EMC TEST FACILITY	Fire detection and fire alarm systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	BS EN 54-4
6490	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	EN55014-2
6491	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	IEC 61000-6-1
6492	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	"Withdrawn Standard" CISPR 14-2
6493	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	"Withdrawn Standard" IEC 61547
6494	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	EN 55024
6495	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	IEC 61000-4-11
6496	ELECTRONICS- EMC TEST FACILITY	General purposes lighting equipment	Dips and Short Interruption	IEC61000-6-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	428 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6497	ELECTRONICS- EMC TEST FACILITY	Household & similar electrical appliances	Dips and Short Interruption	Cl. No. 19.11.4.6 of IS 302-1
6498	ELECTRONICS- EMC TEST FACILITY	Household & similar electrical appliances	Dips and Short Interruption	Cl. No. 19.11.4.6 of IS 302-1
6499	ELECTRONICS- EMC TEST FACILITY	Household & similar electrical appliances	Dips and Short Interruption	IEC 60335-1
6500	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Immunity to Conducted disturbances	IEC 61000-4-6
6501	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	IEC 60335-1
6502	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	BS EN 61000-4-5
6503	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	CISPR 14-2
6504	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	IEC 60255-26
6505	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	IEC 61000-4-1
6506	ELECTRONICS- EMC TEST FACILITY	Household and other electrical appliances	Surge ImmunityTest	IEC 61000-4-5
6507	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliance	Radio Interference Disturbance Power Measurement	IEC 60335-1
6508	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	EN 61000-4-13
6509	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	IS 14700 (Part 4/Sec 13)
6510	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Harmonics and interharmonics low frequency test	IEC 61000-4-13
6511	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Conducted Emission Test	IEC 60335-1
6512	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Conducted Emission Test	IEC 61000-6-3
6513	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Conducted Emission Test	IS 6873(P-2/SEC-2)
6514	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	"Withdrawn Standard" CISPR 14-2
6515	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	BS EN 55015

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	429 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6516	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	CISPR 11
6517	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	CISPR 14-1
6518	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	CISPR 15
6519	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	CISPR 32
6520	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	Cl.no.4.4 of IS 6873 (P-5)
6521	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	Cl.no.4.7 of IS 6873(Part 4)
6522	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	EN 55011
6523	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	EN 55014-1
6524	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	IEC 61000-6-3
6525	ELECTRONICS- EMC TEST FACILITY	Household and similar electrical appliances	Radio Interference Disturbance Power Measurement	IS 6873(P-2/SEC-2)
6526	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	CISPR 14-1
6527	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	EN 55014-1
6528	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Click measurement test	IS 6873 (PART 2/SEC 1)
6529	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	CISPR 14-1
6530	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	EN 55014-1
6531	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted Emission Test	IS 6873 (PART 2/SEC 1)
6532	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	CISPR 14-2
6533	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	EN IEC 55014-2
6534	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Conducted RF Immunity Test	IS 6873 (Part 2/Sec 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	430 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6535	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 55014-2
6536	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	IS 6873 (Part 2/Sec 2)
6537	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	EN 55014-1
6538	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	EN 55014-1
6539	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	IS 6873 (PART 2/SEC 1)
6540	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	EN 55014-1
6541	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	CISPR 14-2
6542	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	EN IEC 55014-2
6543	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Surge Immunity Test	IS 6873 (Part 2/Sec 2)
6544	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	CISPR 14-2
6545	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 6873 (Part 2/Sec 2)
6546	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	CISPR 14-2
6547	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Electrostatic Discharge Immunity Test	EN IEC 55014-2
6548	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	CISPR 14-1
6549	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Magnetic Field Emission Test	IS 6873 (PART 2/SEC 1)
6550	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	CISPR 14-2
6551	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	EN IEC 55014-2
6552	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Immunity/ susceptibility Test	IS 6873 (Part 2/Sec 2)
6553	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	CISPR 14-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 431 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6554	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated RF Power Test (Disturbance Power Test)	IS 6873 (PART 2/SEC 1)
6555	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	CISPR 14-2
6556	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	EN IEC 55014-2
6557	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Voltage dips, short interruption & voltage variations Immunity	IS 6873 (Part 2/Sec 2)
6558	ELECTRONICS- EMC TEST FACILITY	Household appliances, electric tools and similar apparatus	Radiated Emission Test	CISPR 14-1
6559	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Conducted Emission Test	EN 61000-6-4:
6560	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	IEC 61000-6-2
6561	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	IS 14700 (Part 6/Sec 2)
6562	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Radiated Emission Test	EN 61000-6-4
6563	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	IEC 61000-6-2
6564	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	IS 14700 (Part 6/Sec 2)
6565	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	EN 61000-6-2
6566	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	IEC 61000-6-2
6567	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Surge Immunity Test	IS 14700 (Part 6/Sec 2)
6568	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Click measurement test	IEC 61000-6-4:
6569	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Conducted Emission Test	IEC 61000-6-4
6570	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Conducted RF Immunity Test	EN 61000-6-2
6571	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61000-6-2
6572	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61000-6-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 432 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6573	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 14700 (Part 6/Sec 2)
6574	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	IS 14700 (Part 6/Sec 2)
6575	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	EN 61000-6-2
6576	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Electrostatic Discharge Immunity Test	IEC 61000-6-2
6577	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	EN 61000-6-2
6578	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	IEC 61000-6-2
6579	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Power Frequency Magnetic Field Immunity Test	IS 14700 (Part 6/Sec 2)
6580	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Radiated Emission Test	IEC 61000-6-4
6581	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Radiated Immunity/ susceptibility Test	EN 61000-6-2
6582	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61000-6-2
6583	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-6-2
6584	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 6/Sec 2)
6585	ELECTRONICS- EMC TEST FACILITY	Industrial Equipment	Click measurement test	EN 61000-6-4:
6586	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment	Conducted Emission Test	IEC 60950-1
6587	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment	Conducted Emission Test	IS 13252(Part 1)
6588	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment	Radio Interference Disturbance Power Measurement	IEC 60950-1
6589	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment	Radio Interference Disturbance Power Measurement	IS 13252(Part 1)
6590	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment (including Digital Apparatus)	Radiated Emission Test	ICES 003 Issue 7
6591	ELECTRONICS- EMC TEST FACILITY	Information Technology Equipment (including Digital Apparatus)	Conducted Emission Test	ICES 003 Issue 7:

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 433 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6592	ELECTRONICS- EMC TEST FACILITY	Limitation of voltage change , voltage fluctuation and flicker for equipment with rated current = 16 A and > 16 A upto = 75 A	Measurement of voltage change ,voltage fluctuation and flicker	Cl.no.4 of IS 14700 (Part 3/ Sec 3)
6593	ELECTRONICS- EMC TEST FACILITY	Limitation of voltage change , voltage fluctuation and flicker for equipment with rated current = 16 A and > 16 A upto = 75 A	Measurement of voltage change ,voltage fluctuation and flicker	IEC 61000-3-11
6594	ELECTRONICS- EMC TEST FACILITY	Limitation of voltage change , voltage fluctuation and flicker for equipment with rated current = 16 A and > 16 A upto = 75 A	Measurement of voltage change ,voltage fluctuation and flicker	IEC 61000-3-3
6595	ELECTRONICS- EMC TEST FACILITY	Limits for harmonic current produced by equipments with input current > 16A and = 75 A	Harmonic current measurements and limits	IEC 61000-3-12
6596	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted RF Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6597	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Conducted Emission Test	Cl. No. J.10.12.2 of EN 61439-1
6598	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Power Frequency Magnetic Field Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
6599	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Power Frequency Magnetic Field Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6600	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Radiated Emission Test	Cl. No. J.10.12.3 of IEC 61439-1
6601	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Voltage dips, short interruption & voltage variations Immunity	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6602	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and control gear Assemblies	Voltage dips, short interruption & voltage variations Immunity	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
6603	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted Emission Test	IS/IEC 61439 : Part 1
6604	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Surge Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
6605	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Surge Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6606	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Surge Immunity Test	IS/IEC 61439 : Part 1
6607	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted Emission Test	Cl. No. J.10.12.3 of IEC 61439-1
6608	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Radiated Emission Test	IS/IEC 61439 : Part 1
6609	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted RF Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	434 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6610	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61439 : Part 1
6611	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Conducted RF Immunity Test	IS/IEC 61439 : Part 1
6612	ELECTRONICS- EMC TEST FACILITY	Low Voltage Switchgear and controlgear Assemblies	Power Frequency Magnetic Field Immunity Test	IS/IEC 61439 : Part 1
6613	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	EN IEC 61204-3
6614	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IEC 61204-3
6615	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted Emission Test	IS/IEC 61204 : Part 3
6616	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	EN IEC 61204-3
6617	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	IEC 61204-3
6618	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonic Current Emission	IS/IEC 61204 : Part 3
6619	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	EN IEC 61204-3
6620	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	IEC 61204-3
6621	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Emission Test	IS/IEC 61204 : Part 3
6622	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	EN IEC 61204-3
6623	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	IEC 61204-3
6624	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated Immunity/ susceptibility Test	IS/IEC 61204 : Part 3
6625	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	EN IEC 61204-3
6626	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	IS/IEC 61204 : Part 3
6627	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Surge Immunity Test	IEC 61204-3
6628	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN IEC 61204-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	435 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6629	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 61204 : Part 3
6630	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrostatic Discharge Immunity Test	IEC 61204-3
6631	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	EN IEC 61204-3
6632	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	IEC 61204-3
6633	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Harmonics and interharmonics low frequency test	IS/IEC 61204 : Part 3
6634	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	EN IEC 61204-3
6635	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	IEC 61204-3
6636	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 61204 : Part 3
6637	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN IEC 61204-3
6638	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	EN IEC 61204-3
6639	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	IEC 61204-3
6640	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Conducted RF Immunity Test	IS/IEC 61204 : Part 3
6641	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61204-3
6642	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrostatic Discharge Immunity Test	EN IEC 61204-3
6643	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Electrostatic Discharge Immunity Test	IS/IEC 61204 : Part 3
6644	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	EN IEC 61204-3
6645	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	IEC 61204-3
6646	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Radiated RF Power Test (Disturbance Power Test)	IS/IEC 61204 : Part 3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	436 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6647	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	EN IEC 61204-3
6648	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	IEC 61204-3
6649	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 61204 : Part 3
6650	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 61204-3
6651	ELECTRONICS- EMC TEST FACILITY	Low-voltage switch mode power supplies	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 61204 : Part 3
6652	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
6653	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrostatic Discharge Immunity Test	Cl. No. J.10.12.1 & Table J.1 of EN 61439-1
6654	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrostatic Discharge Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6655	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Electrostatic Discharge Immunity Test	IS/IEC 61439 : Part 1
6656	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and control gear assemblies	Radiated Immunity/ susceptibility Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1:
6657	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Conducted RF Immunity Test	IEC 60947-1:2020, IEC 60947-3
6658	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Harmonic Current Emission	IEC 60947-1:2020, IEC 60947-3
6659	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Magnetic Field Emission Test	IEC 60947-1:2020, IEC 60947-3
6660	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Radiated Immunity/ susceptibility Test	IEC 60947-1:2020, IEC 60947-3
6661	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Surge Immunity Test	IEC 60947-1:2020, IEC 60947-3
6662	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Harmonics and interharmonics low frequency test	IEC 60947-1
6663	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Pulse magnetic field immunity test	IEC 60947-1:2020, IEC 60947-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	437 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6664	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage dips, short interruption & voltage variations Immunity	IEC 60947-1:2020, IEC 60947-3
6665	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60947-1:2020, IEC 60947-3
6666	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Conducted Emission Test	IEC 60947-1:2020, IEC 60947-3
6667	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Voltage change, Fluctuation & Flicker measurement Test	IEC 60947-1:2020, IEC 60947-3
6668	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60947-1:2020, IEC 60947-3
6669	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear	Electrostatic Discharge Immunity Test	IEC 60947-1:2020, IEC 60947-3
6670	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. J.10.12.2, Table J.1 & J.2 of IEC 61439-1
6671	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 61439 : Part 1
6672	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Radiated Immunity/ susceptibility Test	Cl. No. J.10.12.1 & Table J.1 & J.2 of EN 61439-1
6673	ELECTRONICS- EMC TEST FACILITY	Low-voltage switchgear and controlgear assemblies	Radiated Immunity/ susceptibility Test	IS/IEC 61439 : Part 1
6674	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radio communication equipment	Surge Immunity Test	Cl. No. 10.6 of IEC 60945
6675	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radio communication equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 10.5 of IEC 60945
6676	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted RF Immunity Test	Cl. No. 10.3 of IEC 60945
6677	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted RF Immunity Test	Cl. No. 9.10 of EN 61131-2
6678	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Emission Test	Cl. No. 9.3 of IEC 60945
6679	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Surge Immunity Test	Cl. No. 10.6 of EN 60945
6680	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 10.5 of EN 60945
6681	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Electrostatic Discharge Immunity Test	Cl. No.10.9 of EN 60945

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 438 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6682	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Emission Test	Cl. No. 9.3 of EN 60945
6683	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Immunity/ susceptibility Test	Cl. No. 10.4 of EN 60945
6684	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Radiated Immunity/ susceptibility Test	Cl. No. 10.4 of IEC 60945
6685	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Voltage dips, short interruption & voltage variations Immunity	Cl .No. 10.7 & 10.8 of IEC 60945
6686	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Conducted Emission Test	Cl. No. 9.2 of IEC 60945
6687	ELECTRONICS- EMC TEST FACILITY	Maritime navigation and radiocommunication equipment	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 10.7 and 10.8 of EN 60945
6688	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	EN 60255-26:2013, EN 60255-1
6689	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6690	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	IEC 60255-1:2009, IEC 60255-26
6691	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	EN 60255-26:2013, EN 60255-1
6692	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	IEC 60255-1:2009, IEC 60255-26
6693	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	IEC 60255-1:2009, IEC 60255-26
6694	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6695	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	EN 60255-1:2010, EN 60255-26
6696	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	IEC 60255-1:2009, IEC 60255-26
6697	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Immunity/ susceptibility Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6698	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	EN 60255-26:2013, EN 60255-1
6699	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	IEC 60255-26:2013, IEC 60255-1
6700	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Surge Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	439 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6701	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	EN 60255-26:2013, EN 60255-1
6702	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 60255-26:2013, EN 60255-1
6703	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 60255-1:2009, IEC 60255-26
6704	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrical Fast Transient (EFT)/Burst Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6705	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6706	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	EN 60255-26
6707	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radiated Emission Test	EN 60255-26:2013, EN 60255-1
6708	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 60255-1:2009, IEC 60255-2
6709	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60255-1:2009, IEC 60255-26
6710	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	EN 60255-26:2013, EN 60255-1
6711	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IEC 60255-26
6712	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	IEC 60255-1
6713	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Electrostatic Discharge Immunity Test	EN 60255-1
6714	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	EN 60255-26:2013, EN 60255-1
6715	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted Emission Test	Cl. No. 5.2 of IEC 60255-26
6716	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Conducted RF Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6717	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Power Frequency Magnetic Field Immunity Test	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6718	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radio Interference Disturbance Power Measurement	IEC 60601-1- 2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	440 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6719	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Radio Interference Disturbance Power Measurement	IEC 60255-26
6720	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Surge ImmunityTest	Cl. No. 7.2.7 of IEC 60255-26
6721	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6722	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 60255 : Part 26 : 2013, IS/IEC 60255 (Part 1)
6723	ELECTRONICS- EMC TEST FACILITY	Measuring relays and protection equipment	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN 60255-26:2013, EN 60255-1
6724	ELECTRONICS- EMC TEST FACILITY	Medical electrical equipment	Conducted Emission Test	IEC 60601-1-2
6725	ELECTRONICS- EMC TEST FACILITY	Military and Defence Electrical and Electronics Products	Electrostatic Discharge Immunity Test	MIL 461G (CS 118)
6726	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	IS/CISPR 35
6727	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	CISPR 32:2015+AMD1
6728	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment	Conducted Emission Test	EN 55032:2015+A11
6729	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment	Electrostatic Discharge Immunity Test	EN 55035
6730	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	CISPR 35
6731	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	EN 55035
6732	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Electrostatic Discharge Immunity Test	CISPR 35
6733	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Power Frequency Magnetic Field Immunity Test	EN 55035
6734	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment's	Radiated Emission Test	CISPR 32:2015+A1
6735	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment's	Radiated Emission Test	EN 55032:2015+A11

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 441 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6736	ELECTRONICS- EMC TEST FACILITY	Multimedia equipment's	Radiated Emission Test	IS/CISPR 35
6737	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Radiated Immunity/ susceptibility Test	EN 55035
6738	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Surge Immunity Test	IS/CISPR 35
6739	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Voltage dips, short interruption & voltage variations Immunity	CISPR 35
6740	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/CISPR 35
6741	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Power Frequency Magnetic Field Immunity Test	CISPR 35
6742	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Power Frequency Magnetic Field Immunity Test	IS/CISPR 35
6743	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Radiated Immunity/ susceptibility Test	CISPR 35
6744	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Radiated Immunity/ susceptibility Test	IS/CISPR 35
6745	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Voltage dips, short interruption & voltage variations Immunity	EN 55035
6746	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Conducted RF Immunity Test	IS/CISPR 35
6747	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipment's	Electrostatic Discharge Immunity Test	IS/CISPR 35
6748	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipments	Electrical Fast Transient (EFT)/ Burst Immunity Test	CISPR 35
6749	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipments	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 55035
6750	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipments	Surge Immunity Test	CISPR 35
6751	ELECTRONICS- EMC TEST FACILITY	Multimedia Equipments	Surge Immunity Test	EN 55035
6752	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	EN 62920:2017/A1
6753	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	IEC 62920:2017+AMD1
6754	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted Emission Test	IS/IEC 62920

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	442 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6755	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	EN 62920:2017/A1
6756	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	IS/IEC 62920
6757	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Harmonic Current Emission	IEC 62920:2017+AMD1
6758	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Harmonic Current Emission	IS/IEC 62920
6759	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic Field Emission Test	EN 62920:2017/A1
6760	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	EN 62920:2017/A1
6761	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	IEC 62920:2017+AMD1
6762	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Emission Test	IS/IEC 62920
6763	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	EN 62920:2017/A1
6764	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	IEC 62920:2017+AMD1
6765	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Radiated Immunity/ susceptibility Test	IS/IEC 62920
6766	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic Field Emission Test	IS/IEC 62920
6767	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Conducted RF Immunity Test	IEC 62920:2017+AMD1
6768	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	EN 62920:2017/A1
6769	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	IS/IEC 62920
6770	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	EN 62920:2017/A1
6771	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	IEC 62920:2017+AMD1
6772	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	EN 62920:2017/A1
6773	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	IEC 62920:2017+AMD1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	443 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6774	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	EN 62920:2017/A1
6775	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	IEC 62920:2017+AMD1
6776	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 62920
6777	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 62920:2017+AMD1
6778	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage change, Fluctuation & Flicker measurement Test	EN 62920:2017/A1
6779	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage change, Fluctuation & Flicker measurement Test	IEC 62920:2017+AMD1
6780	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	EN 62920:2017/A1
6781	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IS/IEC 62920
6782	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 62920:2017/A1
6783	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 62920:2017+AMD1
6784	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 62920
6785	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Electrostatic Discharge Immunity Test	IEC 62920:2017+AMD1
6786	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Magnetic field Emission Test	IEC 62920:2017+AMD1
6787	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Pulse magnetic field immunity test	IS/IEC 62920
6788	ELECTRONICS- EMC TEST FACILITY	Photovoltaic power generating systems	Surge Immunity Test	IS/IEC 62920
6789	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
6790	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	IS 14254 : Part 2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	444 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6791	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	Cl. 7.3, Table 36 of IEC 61131-2
6792	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Surge Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
6793	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	Cl. No. 9.4 of EN 61131-2
6794	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	Cl. No. 7.3, Table 46 of IEC 61131-2
6795	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted Emission Test	IS 14254 : Part 2
6796	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	Cl. No. 9.10 of EN 61131-2
6797	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	Cl. No. 7.3, Table 37 & 38 of IEC 61131-2
6798	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 9.8 of EN 61131-2:
6799	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14254 : Part 2
6800	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	Cl. No. 7.3, Table 36 of IEC 61131-2
6801	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Electrostatic Discharge Immunity Test	Cl. No. 9.5 of EN 61131-2
6802	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	Cl. No. 9.7 of EN 61131-2
6803	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	Cl. No. 7.3, Table 46 of IEC 61131-2
6804	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	Cl. No. 9.3 of EN 61131-2
6805	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	Cl. 7.3, Table 36 of IEC 61131-2
6806	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	Cl. No. 9.6 of EN 61131-2
6807	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Immunity/ susceptibility Test	IS 14254 : Part 2
6808	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Surge Immunity Test	Cl. No. 9.9 of EN 61131-2
6809	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Surge Immunity Test	IS 14254 : Part 2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 445 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6810	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 7.3, Table 46 of IEC 61131-2
6811	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 9.12 of EN 61131-2
6812	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Voltage dips, short interruption & voltage variations Immunity	IS 14254 : Part 2
6813	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Conducted RF Immunity Test	IS 14254 : Part 2
6814	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Power Frequency Magnetic Field Immunity Test	IS 14254 : Part 2
6815	ELECTRONICS- EMC TEST FACILITY	Programmable controllers	Radiated Emission Test	IS 14254 : Part 2
6816	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	EN 61000-6-1
6817	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	IEC 61000-6-1
6818	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Conducted RF Immunity Test	IS 14700 (Part 6/Sec 1)
6819	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	EN 61000-6-1
6820	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	IEC 61000-6-1
6821	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Surge Immunity Test	IS 14700 (Part 6/Sec 1)
6822	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 61000-6-1
6823	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 61000-6-1
6824	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 14700 (Part 6/Sec 1)
6825	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	EN 61000-6-1
6826	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	IEC 61000-6-1
6827	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	EN 61000-6-1
6828	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	IEC 61000-6-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	446 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6829	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Power Frequency Magnetic Field Immunity Test	IS 14700 (Part 6/Sec 1)
6830	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Radiated Immunity/ susceptibility Test	IEC 61000-6-1
6831	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Radiated Immunity/ susceptibility Test	IS 14700 (Part 6/Sec 1)
6832	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	EN 61000-6-1
6833	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IEC 61000-6-1
6834	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Voltage dips, short interruption & voltage variations Immunity	IS 14700 (Part 6/Sec 1)
6835	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Radiated Immunity/ susceptibility Test	EN 61000-6-1
6836	ELECTRONICS- EMC TEST FACILITY	Residential commercial and light -industrial Equipment	Electrostatic Discharge Immunity Test	IS 14700 (Part 6/Sec 1)
6837	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61009-1+A13
6838	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	BS EN 61009-1+A13
6839	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	BS EN 61009-1+A13
6840	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Conducted RF Immunity Test	BS EN 61009-1+A13
6841	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Conducted RF Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
6842	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
6843	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
6844	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	447 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6845	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	Electrostatic Discharge Immunity Test	Table 29 of IEC 61009-1:2010+A1:2012 +A2
6846	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Conducted RF Immunity Test	Table 29 of IS 12640 (Part 2)
6847	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Radiated Immunity/ susceptibility Test	Table 29 of IS 12640 (Part 2)
6848	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 29 of IS 12640 (Part 2)
6849	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Electrostatic Discharge Immunity Test	Table 29 of IS 12640 (Part 2)
6850	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCBOs)	Surge Immunity Test	Table 29 of IS 12640 (Part 2)
6851	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
6852	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	Table 23 of IS 12640 (Part 1)
6853	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	BS EN 61008-1+A12
6854	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
6855	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Radiated Immunity/ susceptibility Test	Table 23 of IS 12640 (Part 1)
6856	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 23 of IS 12640 (Part 1)
6857	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61008-1+A12
6858	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	448 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6859	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrostatic Discharge Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
6860	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Electrostatic Discharge Immunity Test	Table 23 of IS 12640 (Part 1)
6861	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	Table 23 of IEC 61008-1 &2:2010 +A1:2012 +A2
6862	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	BS EN 61008-1+A12
6863	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Surge Immunity Test	Table 23 of IS 12640 (Part 1)
6864	ELECTRONICS- EMC TEST FACILITY	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	Conducted RF Immunity Test	BS EN 61008-1+A12
6865	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	Table 5 of IEC 61543:1995 +A1:2004 +A2
6866	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	BS EN 61543
6867	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	Table 5 of IEC 61543:1995+A1:2004 +A2
6868	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	IS 14614
6869	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	Table 5 of IEC 61543:1995+A1:2004+A2
6870	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	IS 14614
6871	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61008-1+A12
6872	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61009-1+A13
6873	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	BS EN 61543
6874	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrostatic Discharge Immunity Test	Table 6 of IEC 61543:1995+A1:2004 +A2
6875	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	Table 5 of IEC 61543:1995+ A1:2004 +A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	449 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6876	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	BS EN 61543
6877	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Surge Immunity Test	IS 14614
6878	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	BS EN 61543
6879	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Conducted RF Immunity Test	IS 14614
6880	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Electrical Fast Transient (EFT)/Burst Immunity Test	BS EN 61543
6881	ELECTRONICS- EMC TEST FACILITY	Residual current-operated protective devices (RCDs) for household and similar use	Radiated Immunity/ susceptibility Test	IS 14614
6882	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Conducted RF Immunity Test	Cl. No. 13.4.8 of EN 50155
6883	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Radiated Emission Test	Cl. No. 13.4.8 of EN 50155
6884	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Surge Immunity Test	Cl. No. 13.4.8 of EN 50155
6885	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Conducted Emission Test	Cl. No. 13.4.8 of EN 50155
6886	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 13.4.8 of EN 50155
6887	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Electrostatic Discharge Immunity Test	Cl. No. 13.4.8 of EN 50155
6888	ELECTRONICS- EMC TEST FACILITY	Rolling stock - Electronic equipment for Railway applications	Radiated Immunity/ susceptibility Test	Cl. No. 13.4.8 of EN 50155
6889	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Electrical Fast Transient (EFT)/Burst Immunity Test	IEC 62236-3-2
6890	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Surge Immunity Test	IEC 62236-3-2
6891	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Conducted RF Immunity Test	IEC 62236-3-2
6892	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Electrostatic Discharge Immunity Test	EN 50121-3-2: 2016+ A1
6893	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Radiated Immunity/ susceptibility Test	IEC 62236-3-2:
6894	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Conducted Emission Test	IEC 62236-3-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 450 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6895	ELECTRONICS- EMC TEST FACILITY	Rolling stock Apparatus	Radiated Emission Test	IEC 62236-3-2
6896	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Radiated Emission Test	Cl. No. 5 of EN 50121-4:2016 +A1
6897	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Radiated Immunity/ susceptibility Test	EN 50121-3-2: 2016 +A1
6898	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Surge Immunity Test	EN 50121-3-2: 2016 +A1
6899	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Conducted Emission Test	EN 50121-3-2: 2016+ A1
6900	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Conducted RF Immunity Test	EN 50121-3-2: 2016+ A1
6901	ELECTRONICS- EMC TEST FACILITY	Rolling stock-Apparatus	Electrical Fast Transient (EFT)/Burst Immunity Test	EN 50121-3-2: 2016 +A1
6902	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Conducted Emission Test	Cl.no.5.7 of IS 15111 (Part 2)
6903	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Conducted Emission Test	EN 55015
6904	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Magnetic Field Emission Test	CISPR 15
6905	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Magnetic Field Emission Test	Cl. No. 4.4 of IS 6873 (P-5)
6906	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Magnetic Field Emission Test	Cl.no.5.7 of IS 15111 (Part 2)
6907	ELECTRONICS- EMC TEST FACILITY	Self-Ballasted lamps for General lighting Services	Magnetic Field Emission Test	EN 55015
6908	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Conducted RF Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6909	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6910	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Electrostatic Discharge Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6911	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Power Frequency Magnetic Field Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6912	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Conducted Emission Test	Cl. No. 5 of EN 50121-4:2016+A1
6913	ELECTRONICS- EMC TEST FACILITY	Signaling and telecommunications apparatus for Railway applications	Radiated Emission Test	Cl. No. 5 of EN 50121-4:2016 +A1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 451 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6914	ELECTRONICS- EMC TEST FACILITY	Signalling and telecommunications apparatus for Railway applications	Conducted Emission Test	Cl. No. 5 of EN 50121-4:2016+A1
6915	ELECTRONICS- EMC TEST FACILITY	Signalling and telecommunications apparatus for Railway applications	Surge Immunity Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6916	ELECTRONICS- EMC TEST FACILITY	Signalling and telecommunications apparatus for Railway applications	Radiated Immunity/ susceptibility Test	Cl. No. 6.2 of EN 50121-4:2016+A1
6917	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	Cl. No. 26.2.3 of IEC 60669-2-1
6918	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	EN 60669-2-1
6919	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Surge Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
6920	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	Cl. No. 26.3.2 & 26.3.3 of IEC 60669-2-1:
6921	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	EN 60669-2-1:
6922	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted Emission Test	IS/IEC 60669 : Part 2 : Sec 1
6923	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	Cl. No. 26.2.7 of IEC 60669-2-1
6924	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	EN 60669-2-1
6925	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	Cl. No. 26.2.4 of IEC 60669-2-1
6926	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 60669-2-1
6927	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
6928	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	Cl. No. 26.3.1 of IEC 60669-2-1
6929	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	EN 60669-2-1
6930	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Harmonic Current Emission	IS/IEC 60669 : Part 2 : Sec 1
6931	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Power Frequency Magnetic Field Immunity Test	Cl. No. 26.2.8 of EN 60669-2-1
6932	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Power Frequency Magnetic Field Immunity Test	Cl. No. 26.2.8 of IEC 60669-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	452 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6933	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	EN 60669-2-1
6934	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Emission Test	IS/IEC 60669 : Part 2 : Sec 1
6935	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/ susceptibility Test	Cl. No. 26.2.6 of IEC 60669-2-1
6936	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/ susceptibility Test	IS/IEC 60669 : Part 2 : Sec 1
6937	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	Cl. No. 26.3.1 of IEC 60669-2-1
6938	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	EN 60669-2-1
6939	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage change, Fluctuation & Flicker measurement Test	IS/IEC 60669 : Part 2 : Sec 1
6940	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	EN 60669-2-1
6941	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	Cl. No. 26.2.2 of IEC 60669-2-1
6942	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Radiated Immunity/ susceptibility Test	EN 60669-2-1
6943	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Conducted RF Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
6944	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
6945	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	Cl. No. 26.2.5 of IEC 60669-2-1
6946	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Electrostatic Discharge Immunity Test	EN 60669-2-1
6947	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Power Frequency Magnetic Field Immunity Test	IS/IEC 60669 : Part 2 : Sec 1
6948	ELECTRONICS- EMC TEST FACILITY	Switches for household and similar fixed electrical installation	Voltage dips, short interruption & voltage variations Immunity	IS/IEC 60669 : Part 2 : Sec 1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	453 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6949	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server, 2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network,Mobile User Equipment, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera)	Electrostatic Discharge Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	454 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6950	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Electrostatic Discharge Immunity Test	TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	455 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6951	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Immunity to AC Voltage Dips and Short Interruptions	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	456 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6952	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Electrical Fast Transient (EFT)/ Burst Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	457 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6953	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Immunity to DC Voltage Dips and Short Interruptions	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	458 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6954	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Immunity to Radiated RF	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	459 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6955	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera	Conducted RF Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108:202

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	460 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6956	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch, Smart Camera)	Surge Immunity Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110:2021, TEC28822108

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	461 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6957	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Conducted Emission Test	TEC28822203:2022,TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:202

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	462 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6958	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Electrical Fast Transient (EFT)/ Burst Immunity Test	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	463 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6959	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Immunity to Radiated RF	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	464 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6960	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Surge Immunity Test	TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	465 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6961	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Radiated Emission Test	TEC28822203:2022, TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:20

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	466 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6962	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments (Smart Camera, Satellite Communication Equipment, LAN Switch, Router,End Point Device for Environmental Monitoring, Feedback Device, Media Gateway, Infiniband Switch, IP Multimedia Conferencing Equipment, IP Security Equipment, Precision Timing Protocol(PTP) Grand Master(GM) Equipment, PTP PMP Microwave Fixed Radio Systems, SGSN/GGSN, Radio Broadcast Receiver RBR, Mobility Management Entity, BSC RNC, Cell Broadcast Centre, GMLC, HLR AUC HSS, MSC or MSC-S or GMSC or GMSC-S including VLR, OTA and DM/FOTA, SCP, OMC/EMS/NMS/OSS, S-GW/P-GW, SMSC, EIR, SMLC/eSMLC, Smart Electricity Meter)	Immunity to DC Voltage Dips and Short Interruptions	TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	467 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6963	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments -Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Conducted Emission Test	TEC30022201:2021, TEC18352108:2021, TEC13292108:2021, TEC12672108:2021, TEC16632108:2021, TEC64731911:2020, TEC67292002:2020, TEC54372108:2021, TEC12832108:2021, TEC56782108:2021, TEC12662108:2021 TEC58432108:2021, TEC59432108:2021, TEC67472003:2020, TEC17672201:2021, TEC13752203:2022, TEC67492003:2020, TEC67222003:2020, TEC67792003:2020, TEC47782002:2020, TEC42722205:2022, TEC42272108:2021, TEC47722205:2022, TEC14762203:2022, TEC78832203:2022, TEC24492108:2021, TEC28732108:2021, TEC28982110

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	468 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6964	ELECTRONICS- EMC TEST FACILITY	Telecommunication Equipments -Server,2 Wire Telephone Equipment, G3 Fax Machine, Modem, Cordless Telephone, ISDN Customer Premises Equipment, Private Automatic Branch Exchange, HF Radio, Conferencing and Presentation Equipment, Mobile Radio Trunking System, Conferencing Equipment, VHF UHF Radio System Equipment, Equipments Operating in 2.4 GHz and 5 GHz Band, IP Terminal, Point of Sale Devices, DSL Equipments, Signalling Gateway, Session Border Controller, Softswitch, Repeater for Cellular Network, Base Station for Cellular Network, Compact Cellular Network, PON Family of Broadband Equipment, Transmission Terminal Equipment, IoT Gateway, Tracking Device, Smart Watch)	Radiated Emission Test	TEC28822108:2021, TEC57282108:2021, TEC37942203:2022, TEC37682204:2022, TEC23732002:2020, TEC23232106:2021, TEC66492003:2020, TEC30012110:2021, TEC34622108:2021, TEC34731911:2019, TEC37871911:2019, TEC56422005:2020, TEC40082111:2021, TEC50012202:2022, TEC40072111:2021, TEC40042111:2021, TEC40032111:2021, TEC40062111:2021, TEC40052111:2021, TEC40092203:2022, TEC40102111:2021, TEC40112111:2021, TEC40122111:2021, TEC40132111:2021, TEC40142111:2021, TEC40152111:2021, TEC40172112:2021, TEC28362106
6965	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	EN 300386
6966	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	EN 300386:
6967	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	ETSI EN 301 489-1:
6968	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	GR 1089 Issue 4
6969	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted Emission Test	IS 14700 (Part 6/Sec 3):
6970	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	EN 300386
6971	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	ETSI EN 300 386
6972	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	ETSI EN 301 489-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	469 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6973	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Conducted RF Immunity Test	GR 1089 Issue 4
6974	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	ETSI EN 301 489-1
6975	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Harmonic Current Emission	EN 300 386
6976	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Harmonic Current Emission	EN 301 489-1
6977	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	EN 300386
6978	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	ETSI EN 300 386
6979	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	ETSI EN 301 489-1
6980	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Emission Test	GR 1089 Issue 4
6981	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Immunity/ susceptibility Test	ETSI EN 300 386
6982	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Immunity/ susceptibility Test	ETSI EN 301 489-1
6983	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Immunity/ susceptibility Test	GR 1089 Issue 4
6984	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	EN 300 386
6985	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	EN 300386
6986	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Harmonic Current Emission	EN 300386
6987	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 300386
6988	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	ETSI EN 300 386
6989	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrical Fast Transient (EFT)/ Burst Immunity Test	GR 1089 Issue 4
6990	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	EN 300 386
6991	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	ETSI EN 300 386

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	470 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
6992	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	GR 1089 Issue 4
6993	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	EN 301 489-1
6994	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Surge Immunity Test	GR 1089 Issue 4
6995	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	EN 300386
6996	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	ETSI EN 300 386
6997	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage change, Fluctuation & Flicker measurement Test	ETSI EN 301 489-1
6998	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	EN 300386
6999	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	GR 1089 Issue 4
7000	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Electrostatic Discharge Immunity Test	ETSI EN 301 489-1
7001	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Radiated Immunity/ susceptibility Test	EN 300386
7002	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	ETSI EN 301 489-1
7003	ELECTRONICS- EMC TEST FACILITY	Telecommunication network equipment	Voltage dips, short interruption & voltage variations Immunity	ETSI EN 300 386
7004	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Electrostatic Discharge Immunity Test	IEC 60870-2-1
7005	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Magnetic Field Emission Test	IEC 60870-2-1
7006	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Surge Immunity Test	IEC 60870-2-1
7007	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Conducted Emission Test	IEC 60870-2-1
7008	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Pulse magnetic field immunity test	IEC 60870-2-1
7009	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Radiated Emission Test	IEC 60870-2-1
7010	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Radiated Immunity/ susceptibility Test	IEC 60870-2-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	471 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7011	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage dips, short interruption & voltage variations Immunity	IEC 60870-2-1
7012	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	IEC 60870-2-1
7013	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Conducted RF Immunity Test	IEC 60870-2-1
7014	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Harmonic Current Emission	IEC 60870-2-1
7015	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems Power supply	Voltage change, Fluctuation & Flicker measurement Test	IEC 60870-2-1
7016	ELECTRONICS- EMC TEST FACILITY	Telecontrol equipment and systems power supply	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 60870-2-1
7017	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Conducted Emission Test	Cl. No. 6.11 of IS 16444 (Part 2)
7018	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Radiated Immunity/ susceptibility Test	Cl. No. 6.11 of IS 16444 (Part 2):
7019	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Surge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
7020	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Electrical Fast Transient (EFT)/Burst Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
7021	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Radiated RF Power Test (Disturbance Power Test)	Cl. No. 6.11 of IS 16444 (Part 2)
7022	ELECTRONICS- EMC TEST FACILITY	Transformer operated Smart Electricity Meters	Electrostatic Discharge Immunity Test	Cl. No. 6.11 of IS 16444 (Part 2)
7023	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	EN 62040-2
7024	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	IS 16242 (Part 2)
7025	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	EN 62040-2
7026	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	IEC 62040-2
7027	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted RF Immunity Test	IS 16242 (Part 2)
7028	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	EN 62040-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 472 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7029	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	IEC 62040-2
7030	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Harmonic Current Emission	IS 16242 (Part 2)
7031	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	EN 62040-2
7032	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	IEC 62040-2
7033	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Magnetic Field Emission Test	IS 16242 (Part 2)
7034	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	EN 62040-2
7035	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	IEC 62040-2
7036	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Emission Test	IS 16242 (Part 2)
7037	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Immunity/ susceptibility Test	IS 16242 (Part 2)
7038	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Conducted Emission Test	IEC 62040-2 :
7039	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	EN 62040-2
7040	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	IEC 62040-2
7041	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrical Fast Transient (EFT)/ Burst Immunity Test	IS 16242 (Part 2)
7042	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	IEC 62040-2
7043	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	EN 62040-2
7044	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	IEC 62040-2
7045	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Power Frequency Magnetic Field Immunity Test	IS 16242 (Part 2)
7046	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Radiated Immunity/susceptibility Test	EN 62040-2
7047	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Surge Immunity Test	IEC 62040-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	473 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7048	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Surge Immunity Test	EN 62040-2
7049	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Surge Immunity Test	IS 16242 (Part 2)
7050	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage change, Fluctuation & Flicker measurement Test	EN 62040-2
7051	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage change, Fluctuation & Flicker measurement Test	IS 16242 (Part 2)
7052	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage dips, short interruption & voltage variations Immunity	IS 16242 (Part 2)
7053	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	EN 62040-2
7054	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Electrostatic Discharge Immunity Test	IS 16242 (Part 2)
7055	ELECTRONICS- EMC TEST FACILITY	Uninterruptable Power systems (UPS)	Voltage dips, short interruption & voltage variations Immunity	EN 62040-2
7056	ELECTRONICS- EMC TEST FACILITY	Uninterruptible power systems	Conducted Emission Test	Cl. No. 5.3.2 of IEC 62040-2
7057	ELECTRONICS- EMC TEST FACILITY	Uninterruptible power systems	Conducted Emission Test	IEC 62040-2
7058	ELECTRONICS- EMC TEST FACILITY	Uninterruptible power systems	Radio Interference Disturbance Power Measurement	IEC 62040-2
7059	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	MIL-STD-810G_CHG1 (Method 514.7),
7060	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	"Humidity Test "	MIL STD 810F, method 507.4
7061	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	"Humidity Test "	MIL STD 810G Method 507.5
7062	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Cold Test	IEC 60068-2-1
7063	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Cold Test	IEC 60571 cl.no. 12.2.4 & 12.2.15
7064	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Composite Temperature /Humidity Cyclic Test	IEC 60068-2-38

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 474 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7065	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	CORROSION (SALT/SALT FOG) TEST	JSS 55555, Test number 9:
7066	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	CORROSION SALT TEST	JSS-0256-01, Rev 1 Test Number 12, Procedure 1, 3.3.1
7067	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Tes	IEC 60571 cl. no. 12.2.6
7068	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	EN 50125-1
7069	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	EN 50125-2
7070	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	EN 50125-3
7071	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	IEC 60068-2-30 Clause 7.3
7072	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	IS 9000-5-1 and 2
7073	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	JSS 50101 Test No.5
7074	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat (Cyclic) Test	VW 80000 clause 11.8 & 11.9
7075	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	DAMP HEAT (MOISTURE RESISTANCE) TEST	JSS 50101 TEST NUMBER-6:
7076	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	BS EN 50125-1
7077	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	EN 50125-2
7078	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	EN 50125-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	475 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7079	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	IEC 60068-2-67+A1
7080	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	IEC 60068-2-78
7081	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	IS 9000 (Part 4),
7082	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	ISO 16750 (Part-4) Sec 5.7
7083	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp heat Steady state test	JSS 50101 Test No.7
7084	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat test	Clause No. 12.9 EN 61851-1
7085	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat test	JSS 55555, Test No.10
7086	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Damp Heat test	QM 333 (Test No.3):
7087	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Dry Heat Test	IS 9000 (Part 3/Sec-1 to 5)
7088	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Dry Heat Test	IEC 60571 cl.no. 12.2.5
7089	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Dry Heat Test	IEC 60068-2-2
7090	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Glow wire test	"IS 11000(Part 2/Sec1)
7091	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Glow wire test	IEC 60695-2-10, IEC 60695-2-12," IEC 60695-2-13:
7092	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	BS EN 50125-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	476 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7093	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	BS EN 50125-2
7094	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	EN 50125-3
7095	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	IEC 62498-1
7096	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	IS 15908
7097	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	IS 2175
7098	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	ISO16750-4 Sec 5.1.2,
7099	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	JSS 55555 Test No.17
7100	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	JSS-0256-01, Test Number : 1:
7101	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	MIL STD 202G Method 108A
7102	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	MIL STD 810F Method 501.4
7103	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	MIL STD 810G Method 501.5
7104	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	MIL-HDBK-310
7105	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	MIL-STD-883K w/Change2 (Method 1005.11, 1006, 1008.2, 1015.12)
7106	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	High Temperature Test	QM 333 Test No.2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 477 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7107	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Humidity Heat Cyclic test	ISO 16750 (Part-4) Sec 5.6
7108	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	IS/IEC 60068-2-1
7109	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	JSS 50101 Test No.21
7110	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	JSS 55555 Test No.20:
7111	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	BS EN 50125-1
7112	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	BS EN 50125-2
7113	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	EN 50125-3
7114	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	JSS 0256-01, Rev 1 Test number 2
7115	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	MIL STD 810F Method 502.4 procedure I & II
7116	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	MIL STD 810G, Procedure 1,2, Method 502.5
7117	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	MIL STD 810H, Method 502.7, Procedure I & II:
7118	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	QM 333 Test No.1
7119	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Moisture Resistance Test	MIL STD 202G Method 106G
7120	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Moisture Resistance Test	MIL-STD-202H_Consolidated (Method 106)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	478 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7121	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Moisture Resistance Test	MIL-STD-883K w/Change2 (Method 1004.7)
7122	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Needle flame test	IS/IEC 60695-11-5
7123	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Needle flame test	IEC 60695-11-5
7124	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Fog Test	MIL STD 810F, Method 509.4
7125	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Fog Test	MIL STD 810H: Method 509.7
7126	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Fog Test	MIL_STD- 810G- Method 509.5-II
7127	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Mist Test	IEC 60571 Clause No 12.2.11
7128	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Mist Test	IEC 60068-2-11
7129	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Mist Test	IEC 60068-2-52
7130	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt Mist Test	IS 9000 (Part 11) Procedure 1
7131	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray (Fog) Test	RTCA DO-160F section 14
7132	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	ASTM B117
7133	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	BS EN 50125-1
7134	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	EN 50125-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	479 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7135	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	EN 50125-3
7136	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	IS 9844
7137	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	ISO 16750 (Part-4) :2010 Sec 5.5.1 & 5.5.2,
7138	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	ISO 9227
7139	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	JIS Z 2371
7140	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Salt spray Test	QM 333 Test No.9 ,
7141	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	IS 9000 (Part 7/Sec1)
7142	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	EN 50125-1,EN 50125-2,EN 50125-3
7143	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	IEC 60068-2-27
7144	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	IEC 60571 cl.no 12.2.12,
7145	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	IEC 61373
7146	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	ISO 16750-3 clause 4.2,
7147	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	JSS 0256-01 (Test Number 18),
7148	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	JSS 50101 (Test Number 12),

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	480 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7149	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	JSS 55555 (Test Number 24),
7150	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	MIL-STD-202H_Consolidated (Methods 213)
7151	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Shock Test	MIL-STD-883K w/Change2(Method 2002.5)
7152	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Temperature cycling Test	"IEC 60068-2-14 Clause 7 & 8,
7153	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Temperature cycling Test	IS 9000 (Part 14)
7154	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Temperature cycling Test	ISO 16750 (Part-4) :2010 Sec 5.3,
7155	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Temperature cycling Test	JSS 50101 Test No. 20
7156	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	TEMPERATURE CYCLING TEST	JSS 55555 Test No.22
7157	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	EN 50125-1,EN 50125-2,EN 50125-3
7158	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 60068-2-55
7159	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 60068-2-64+ Amd1
7160	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 60068-2-80
7161	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 60571 clause 12.2.12,
7162	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 61373

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	481 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7163	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 62498-1
7164	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IS 9000 (Part 7 / Sec 6)
7165	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	ISO 16750-3 clause 4.1
7166	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	JSS 50101,Test number 24
7167	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	JSS 55555, Test Number 28
7168	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	JSS-0256-01, Test Number : 15
7169	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	MIL-HDBK-2164A
7170	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	MIL-STD-202H_Consolidated (Method 214),
7171	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	MIL-STD-883K w/Change2(Method 2026)
7172	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Random)	IEC 61373
7173	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	ASTM 999-08, Method A1,
7174	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	ASTM D 7386-16,Schedule D
7175	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	ASTM D4169,schedule D,E,F,
7176	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	BS 6134

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 482 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7177	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	IEC 60068-2-6
7178	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	IS 14257
7179	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	IS 15908
7180	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	IS/IEC 60068-2-6
7181	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	ISO 16750-3, clause 4.1,
7182	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	JSS 0256-01 (Test Number 15)
7183	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	JSS 50101 (Method 23),
7184	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	MIL STD 810H, Method 514.8
7185	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	MIL STD-810F, Section 514.5,
7186	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	MIL-PRF-28800F class 3, clause 4.5.5.3
7187	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	MIL-STD-883k w/Change 2 (Method 2005.2, 2006.1,2007.3)"
7188	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	RTCA DO-160F,Section 8.0,
7189	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Vibration Test (Sinusoidal)	IS 2175
7190	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Direct current supply voltage Test	ISO 16750-2 (Ed.4) Cl. 4.2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	483 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7191	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Flammability Test (Test flames – 50 W & 500W horizontal and vertical flame test)	IEC 60695-11- 10:2013, IEC 60695-11-20:2015, IEC 60695-11- 3:2012, IEC 60695-11-4:2011, UL 94:
7192	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Free Fall	ISO 16750-3 (Ed.3) Cl. 4.3
7193	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Hot wire ignition Test	IEC 60695-2-20
7194	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Insulation Resistance Test	ISO 16750-2 (Ed.4) Cl. 4.12
7195	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Low Temperature Test	SO 16750-4 Sec 5.1.1
7196	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Open circuit tests	ISO 16750-2 (Ed.4) Cl. 4.9
7197	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Overvoltage Test	ISO 16750-2 (Ed.4) Cl. 4.3
7198	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Proof and the comparative tracking indices Test	IEC 60112:2020, IS 2824
7199	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Reversed voltage Test	ISO 16750-2 (Ed.4) Cl. 4.7
7200	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Short circuit protection	ISO 16750-2 (Ed.4) Cl. 4.10
7201	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Temperature step test	ISO 16750 (Part-4) Sec 5.2
7202	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	All Electronics, Electromechanical, Automotive Components & Sub –Assemblies Accessories	Withstand Voltage Test	ISO 16750-2 (Ed.4) Cl. 4.11
7203	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Conditioning (Salt Mist Test)	Cl. No. 7 of IS 9000 (Part XI)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 484 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7204	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Salt Mist Test	Cl. No. 7 of IEC 60068-2-11
7205	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electrical, Electronic Products	Salt Mist Test	Cl. No. 9 of IEC 60068-2-52
7206	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Bypass diode functionality Test	Cl. No. 4.2 of IS/IEC 61701
7207	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Bypass diode functionality Test	Cl. No. 4.2 of IEC 61701
7208	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Bypass diode test	Cl. No. 6.8 of IEC 61701
7209	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	I-V Characteristics Measurement	Cl. No. 6 & 9 of IEC 61701
7210	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	I-V Characteristics Measurement	Cl. No. 6 & 9 of IS/IEC 61701
7211	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	I-V Characteristics Measurement	Cl. No. 6.3, 6.4 of IEC 61701
7212	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Salt Mist Test	Cl. No. 4, 7 of IS/IEC 61701
7213	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Salt Mist Test	Cl. No. 6.5 of IEC 61701
7214	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules	Salt Mist Test	Cl. No. 7 of IEC 61701
7215	ELECTRONICS- IT EQUIPMENT	ADP	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
7216	ELECTRONICS- IT EQUIPMENT	ADP	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7217	ELECTRONICS- IT EQUIPMENT	ADP	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7218	ELECTRONICS- IT EQUIPMENT	ADP	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	485 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7219	ELECTRONICS- IT EQUIPMENT	ADP	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7220	ELECTRONICS- IT EQUIPMENT	ADP	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7221	ELECTRONICS- IT EQUIPMENT	ADP	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7222	ELECTRONICS- IT EQUIPMENT	ADP	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7223	ELECTRONICS- IT EQUIPMENT	ADP	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7224	ELECTRONICS- IT EQUIPMENT	ADP	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7225	ELECTRONICS- IT EQUIPMENT	ADP	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7226	ELECTRONICS- IT EQUIPMENT	ADP	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7227	ELECTRONICS- IT EQUIPMENT	ADP	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7228	ELECTRONICS- IT EQUIPMENT	ADP	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7229	ELECTRONICS- IT EQUIPMENT	ADP	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7230	ELECTRONICS- IT EQUIPMENT	ADP	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7231	ELECTRONICS- IT EQUIPMENT	ADP	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7232	ELECTRONICS- IT EQUIPMENT	ADP	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7233	ELECTRONICS- IT EQUIPMENT	ADP	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7234	ELECTRONICS- IT EQUIPMENT	ADP	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7235	ELECTRONICS- IT EQUIPMENT	ADP	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	486 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7236	ELECTRONICS- IT EQUIPMENT	ADP	Mechanical Strength	Cl.No. 4.2 (Except Cl.4.2.8) of IS 13252+A1+A2
7237	ELECTRONICS- IT EQUIPMENT	ADP	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7238	ELECTRONICS- IT EQUIPMENT	ADP	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7239	ELECTRONICS- IT EQUIPMENT	ADP	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7240	ELECTRONICS- IT EQUIPMENT	ADP	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7241	ELECTRONICS- IT EQUIPMENT	ADP	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7242	ELECTRONICS- IT EQUIPMENT	ADP	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7243	ELECTRONICS- IT EQUIPMENT	ADP	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7244	ELECTRONICS- IT EQUIPMENT	ADP	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7245	ELECTRONICS- IT EQUIPMENT	ADP	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7246	ELECTRONICS- IT EQUIPMENT	ADP	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7247	ELECTRONICS- IT EQUIPMENT	ADP	Resistance to fire	Cl. No. 4.7 IS 13252+A1+A2
7248	ELECTRONICS- IT EQUIPMENT	ADP	Resistance to fire	Cl. No. 4.7 IS 13252+A1+A2
7249	ELECTRONICS- IT EQUIPMENT	ADP	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7250	ELECTRONICS- IT EQUIPMENT	ADP	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7251	ELECTRONICS- IT EQUIPMENT	ADP	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7252	ELECTRONICS- IT EQUIPMENT	ADP	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7253	ELECTRONICS- IT EQUIPMENT	ADP	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 487 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7254	ELECTRONICS- IT EQUIPMENT	ADP	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7255	ELECTRONICS- IT EQUIPMENT	ADP	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252:A1+A2
7256	ELECTRONICS- IT EQUIPMENT	ADP	Wiring Connection and Supply a) General	Cl. No. 3.1 of IS 13252+A1+A2
7257	ELECTRONICS- IT EQUIPMENT	ADP	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7258	ELECTRONICS- IT EQUIPMENT	ADP	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7259	ELECTRONICS- IT EQUIPMENT	ADP	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7260	ELECTRONICS- IT EQUIPMENT	ADP	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7261	ELECTRONICS- IT EQUIPMENT	ADP	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7262	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification and limits of electrical energy sources	Cl. No. 5.2 of IEC 62368-1
7263	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification and limits of electrical energy sources	Cl. No. 5.2 of IEC 62368-1
7264	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification and limits of electrical energy sources	Cl. No. 5.2 of IEC 62368-1
7265	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification and limits of electrical energy sources	Cl. No. 5.2 of IEC 62368-1
7266	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification and limits of electrical energy sources	Cl. No. 5.2 of IEC 62368-1:
7267	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7268	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7269	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7270	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	488 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7271	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7272	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7273	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7274	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7275	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7276	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7277	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7278	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7279	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7280	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7281	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Classification of power source (PS) and potential ignition sources (PIS)	Cl. No. 6.2,6.3,6.4 of IEC 62368-1
7282	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Components as safeguards	Cl. No. 5.5 of IEC 62368-1
7283	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Components as safeguards	Cl. No. 5.5 of IEC 62368-1
7284	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Electrically-caused fire	Cl. No. 6 of IEC 62368-1
7285	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Electrically-caused fire	Cl. No. 7 of IEC 62368-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	489 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7286	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Electrically-caused injury	Cl. No. 5 of IEC 62368-1
7287	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Electrically-caused injury	Cl. No. 5.1 of IEC 62368-1
7288	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment design and construction	Cl. No. 4.1.3 of IEC 62368-1
7289	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment design and construction	Cl. No. 4.1.3 of IEC 62368-1
7290	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment design and construction	Cl. No. 4.1.3 of IEC 62368-1
7291	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment design and construction	Cl. No. 4.1.3 of IEC 62368-1
7292	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment design and construction	Cl. No. 4.1.3 of IEC 62368-1
7293	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Equipment markings, instructions, and instructional safeguards	Cl.No. Annex F of IEC 62368-1
7294	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7295	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7296	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7297	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7298	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7299	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7300	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7301	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7302	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7303	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	490 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7304	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7305	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7306	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7307	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7308	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7309	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7310	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Insulation materials and requirements	Cl. No. 5.4 of IEC 62368-1
7311	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Mechanical –caused injury	Cl. No. 8 of IEC 62368-1
7312	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Mechanical –caused injury	Cl. No. 8 of IEC 62368-1
7313	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Mechanical –caused injury	Cl. No. 8 of IEC 62368-1
7314	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7315	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7316	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7317	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7318	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	491 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7319	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7320	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7321	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7322	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Normal operating condition tests, abnormal operating condition tests and single fault condition tests	Annex B of IEC 62368-1
7323	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Prospective touch voltage, touch current and protective conductor current	Cl. No. 5.7 of IEC 62368-1
7324	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Prospective touch voltage, touch current and protective conductor current	Cl. No. 5.7 of IEC 62368-1
7325	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Protection against electrical energy sources	Cl. No. 5.3 of IEC 62368-1
7326	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Protection against electrical energy sources	Cl. No. 5.3 of IEC 62368-1
7327	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Protective conductor	Cl. No. 5.6 of IEC 62368-1
7328	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Protective conductor	Cl. No. 5.6 of IEC 62368-1
7329	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Protective conductor	Cl. No. 5.6 of IEC 62368-1
7330	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Thermal burn injury	Cl. No. 9 of IEC 62368-1
7331	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Verification of Components	Cl.No. Annex G of IEC 62368-1
7332	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Verification of Components	Cl.No. Annex G of IEC 62368-1
7333	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Verification of Components	Cl.No. Annex G of IEC 62368-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	492 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7334	ELECTRONICS- IT EQUIPMENT	Audio/Video, Information and communication technology equipment	Verification of Components	Cl.No. Annex G of IEC 62368-1
7335	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2
7336	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7337	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7338	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7339	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7340	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connections to mains supply	Cl. No. of 3.2 IS 13252+A1+A2
7341	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7342	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7343	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Design and construction	(Cl. 4.3) (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7344	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Design and construction	Cl. No 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7345	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7346	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7347	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 493 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7348	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7349	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7350	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electrical Insulation	Cl.No. 2.9 of IS 13252+A1+A2
7351	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7352	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7353	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7354	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7355	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7356	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Marking & Instructions	Cl. No. 1.7 of IS 13252+A1+A2
7357	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7358	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7359	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7360	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	494 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7361	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7362	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7363	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7364	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7365	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7366	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7367	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7368	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7369	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7370	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7371	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7372	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7373	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7374	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	495 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7375	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7376	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7377	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Verification of Components	Cl. No. 1.5 (except Cl.No. 1.5.3,1.5.6,1.5.9.1) of IS 13252+A1+A2
7378	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7379	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7380	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252+A1+A2
7381	ELECTRONICS- IT EQUIPMENT	Automatic teller cash dispensing machine, Data preparation machine, Text processing equipment, Stanalone Switch mode power supplies	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7382	ELECTRONICS- IT EQUIPMENT	Cash Registers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7383	ELECTRONICS- IT EQUIPMENT	Cash Registers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7384	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7385	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7386	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7387	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7388	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7389	ELECTRONICS- IT EQUIPMENT	Cash Registers	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
7390	ELECTRONICS- IT EQUIPMENT	Cash Registers	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	496 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7391	ELECTRONICS- IT EQUIPMENT	Cash Registers	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7392	ELECTRONICS- IT EQUIPMENT	Cash Registers	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7393	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7394	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7395	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7396	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7397	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7398	ELECTRONICS- IT EQUIPMENT	Cash Registers	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7399	ELECTRONICS- IT EQUIPMENT	Cash Registers	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7400	ELECTRONICS- IT EQUIPMENT	Cash Registers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7401	ELECTRONICS- IT EQUIPMENT	Cash Registers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7402	ELECTRONICS- IT EQUIPMENT	Cash Registers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7403	ELECTRONICS- IT EQUIPMENT	Cash Registers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7404	ELECTRONICS- IT EQUIPMENT	Cash Registers	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7405	ELECTRONICS- IT EQUIPMENT	Cash Registers	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7406	ELECTRONICS- IT EQUIPMENT	Cash Registers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7407	ELECTRONICS- IT EQUIPMENT	Cash Registers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7408	ELECTRONICS- IT EQUIPMENT	Cash Registers	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	497 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7409	ELECTRONICS- IT EQUIPMENT	Cash Registers	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7410	ELECTRONICS- IT EQUIPMENT	Cash Registers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7411	ELECTRONICS- IT EQUIPMENT	Cash Registers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7412	ELECTRONICS- IT EQUIPMENT	Cash Registers	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7413	ELECTRONICS- IT EQUIPMENT	Cash Registers	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7414	ELECTRONICS- IT EQUIPMENT	Cash Registers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7415	ELECTRONICS- IT EQUIPMENT	Cash Registers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7416	ELECTRONICS- IT EQUIPMENT	Cash Registers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7417	ELECTRONICS- IT EQUIPMENT	Cash Registers	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7418	ELECTRONICS- IT EQUIPMENT	Cash Registers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7419	ELECTRONICS- IT EQUIPMENT	Cash Registers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7420	ELECTRONICS- IT EQUIPMENT	Cash Registers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7421	ELECTRONICS- IT EQUIPMENT	Cash Registers	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7422	ELECTRONICS- IT EQUIPMENT	Cash Registers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7423	ELECTRONICS- IT EQUIPMENT	Cash Registers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7424	ELECTRONICS- IT EQUIPMENT	Cash Registers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7425	ELECTRONICS- IT EQUIPMENT	Cash Registers	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7426	ELECTRONICS- IT EQUIPMENT	Cash Registers	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 498 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7427	ELECTRONICS- IT EQUIPMENT	Cash Registers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7428	ELECTRONICS- IT EQUIPMENT	Cash Registers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7429	ELECTRONICS- IT EQUIPMENT	Cash Registers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7430	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7431	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7432	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7433	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7434	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7435	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7436	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7437	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7438	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7439	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7440	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7441	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7442	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7443	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7444	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	499 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7445	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7446	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7447	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7448	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7449	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7450	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7451	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7452	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7453	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7454	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7455	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7456	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7457	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7458	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7459	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7460	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7461	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7462	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	500 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7463	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7464	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7465	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7466	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7467	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2)
7468	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7469	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7470	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7471	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7472	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7473	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7474	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7475	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7476	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7477	ELECTRONICS- IT EQUIPMENT	CCTV Cameras/ Equipment for CCTV Cameras	Safety interlocks	Cl. No 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2)
7478	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252:A1+A2
7479	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 501 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7480	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
7481	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
7482	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252:A1+A2
7483	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
7484	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
7485	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connections to mains supply	Cl. No. of 3.2 IS 13252:A1+A2
7486	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
7487	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
7488	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Design and construction	(Cl. 4.3) (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
7489	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Design and construction	Cl. No 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
7490	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252:A1+A2
7491	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
7492	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
7493	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	502 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7494	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
7495	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electrical Insulation	Cl.No. 2.9 of IS 13252:A1+A2
7496	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252:A1+A2
7497	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Interconnection of equipment	Cl. No. 3.5 of IS 13252:A1+A2
7498	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Limited Current Circuits	Cl. No. 2.4 of IS 13252:A1+A2
7499	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
7500	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
7501	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Marking & Instructions	Cl. No. 1.7 of IS 13252:A1+A2
7502	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252:A1+A2
7503	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
7504	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
7505	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252:A1+A2
7506	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Physical requirements Stability	Cl. No. 4.1 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	503 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7507	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
7508	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
7509	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252:A1+A2
7510	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252:A1+A2
7511	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
7512	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
7513	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252:A1+A2
7514	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7515	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
7516	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7517	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7518	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7519	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Verification of Components	Cl. No. 1.5 (except Cl.No. 1.5.3,1.5.6,1.5.9.1) of IS 13252:A1+A2
7520	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	504 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7521	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7522	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252+A1+A2
7523	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7524	ELECTRONICS- IT EQUIPMENT	Data network equipment, Other information technology equipment, Telecommunication network infrastructure equipment, Telecommunication terminal equipments	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7525	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Long ideal Mode Power Measurement	Cl. No. 5.3.4 of BEE Schedule-14 IEC 62623
7526	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Luminance Measurement	BEE Schedule-14 IEC 60107-1 IEC 62623
7527	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Measurement of Energy Consumption	IEC 62623
7528	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Off Mode Power Measurement	Cl. No. 5.3.2 of BEE Schedule-14 IEC 62623
7529	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Short idle Mode Power Measurement	Cl. No. 5.3.5 of BEE Schedule-14 IEC 62623
7530	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Sleep Mode Power Measurement	Cl. No. 5.3.3 of BEE Schedule-14 IEC 62623
7531	ELECTRONICS- IT EQUIPMENT	Desktops Computer and Integrated Desktop Computer, Notebook Computers, Portable All-in-One Computers and Slates/Tablets, Workstations, Small-scale Servers that are marketed and sold for non-data center use, Thin Clients	Standby Power Measurement	BEE Schedule-16 IEC 62301
7532	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	505 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7533	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7534	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7535	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7536	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7537	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7538	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2)
7539	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7540	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7541	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7542	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7543	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7544	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7545	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7546	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7547	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7548	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7549	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	506 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7550	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7551	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7552	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7553	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7554	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Mechanical Strength	Cl.No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7555	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7556	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7557	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7558	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7559	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7560	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7561	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7562	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7563	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7564	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7565	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7566	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7567	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	507 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7568	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7569	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7570	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7571	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7572	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7573	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7574	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7575	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7576	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7577	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7578	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7579	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7580	ELECTRONICS- IT EQUIPMENT	Electronics data projectors, Electronics cinema projectors, Electronics meeting room projectors	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7581	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7582	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7583	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7584	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7585	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 508 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7586	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7587	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7588	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7589	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7590	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7591	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7592	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7593	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7594	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7595	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7596	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7597	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7598	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7599	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7600	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7601	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7602	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	509 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7603	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7604	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Mechanical Strength	Cl.No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7605	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7606	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7607	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7608	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7609	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7610	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7611	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7612	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7613	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7614	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7615	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7616	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7617	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7618	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7619	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7620	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	510 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7621	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7622	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Verification of Components	Cl.No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7623	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7624	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7625	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7626	ELECTRONICS- IT EQUIPMENT	Industrial Printer/Plotter , Other Printer/Plotter , Industrial Scanner/Other Scanner , Copying Machine/ Duplicators	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7627	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Beads and ceramic insulation: Termination of conductors	Cl.No. 3.1.5 of and Cl. No. 3.1.9 of IS 13252+A1+A2
7628	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7629	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7630	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7631	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7632	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7633	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Data ports for additional equipment	Cl. No. 3.5.4 of IS 13252+A1+A2
7634	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Impact test Drop test, Stress relief test	Cl.No. 4.2.5,4.2.6 and 4.2.7 of IS 13252+A1+A2
7635	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Measurement of transient voltage & Material group and comparative tracking index	Cl. No. 2.10.3.9 and 2.10.4.2 of IS 13252+A1+A2
7636	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Physical requirements a)Stability	Cl. No. 4.1 of IS 13252+A1+A2
7637	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistance to Fire & Tests for resistance to heat and Fire	Cl. No. 4.7 and Annex A of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	511 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7638	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and circuits connected to an antenna or coaxial cable	Cl.No. 1.5.7.3 of IS 13252+A1+A2
7639	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and circuits connected to an antenna or coaxial cable	Cl.No. 1.5.7.3 of IS 13252+A1+A2
7640	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and circuits connected to an antenna or coaxial cable	Cl.No. 1.5.7.3 of IS 13252+A1+A2
7641	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and other circuits	Cl.No. 1.5.7.2 of IS 13252+A1+A2
7642	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and other circuits	Cl.No. 1.5.7.2 of IS 13252+A1+A2
7643	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Resistors bridging double insulation or reinforced insulation between the a.c. mains supply and other circuits	Cl.No. 1.5.7.2 of IS 13252+A1+A2
7644	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Short-circuit backup protection Number and location of protective devices	Cl.No. 2.7.3 and 2.7.4 of IS 13252+A1+A2
7645	ELECTRONICS- IT EQUIPMENT	Information Technology Equipment Including Electrical Business Equipment	Short-circuit backup protection Number and location of protective devices	Cl.No. 2.7.3 and 2.7.4 of IS 13252+A1+A2
7646	ELECTRONICS- IT EQUIPMENT	IT Equipments	TNV Circuits	Cl. No. 2.3 of IEC 60950-1 (A1+A2):
7647	ELECTRONICS- IT EQUIPMENT	IT Equipments	Abnormal operating & fault conditions	Cl. No. 5.3 of IEC 60950-1 (A1+A2):
7648	ELECTRONICS- IT EQUIPMENT	IT Equipments	Clearances, Creepage and distance through insulation	Cl. no. 2.10 of IEC 60950-1 (A1+A2):

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	512 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7649	ELECTRONICS- IT EQUIPMENT	IT Equipments	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IEC 60950-1 (A1+A2):
7650	ELECTRONICS- IT EQUIPMENT	IT Equipments	Connection to Cable Distribution Systems	Cl. No. 7 of IEC 60950-1 (A1+A2):
7651	ELECTRONICS- IT EQUIPMENT	IT Equipments	Connections to mains supply	Cl. No. 3.2 of IEC 60950-1 (A1+A2):
7652	ELECTRONICS- IT EQUIPMENT	IT Equipments	Connections to mains supply	Cl. No. 3.2 of IEC 60950-1 (A1+A2):
7653	ELECTRONICS- IT EQUIPMENT	IT Equipments	Connections to telecommunication network	Cl. No. 6 of IEC 60950-1 (A1+A2):
7654	ELECTRONICS- IT EQUIPMENT	IT Equipments	Connections to telecommunication network	Cl. No. 6 of IEC 60950-1 (A1+A2):
7655	ELECTRONICS- IT EQUIPMENT	IT Equipments	Design and construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IEC 60950-1 (A1+A2):
7656	ELECTRONICS- IT EQUIPMENT	IT Equipments	Disconnection from Main Supply	Cl. No. 3.4 of IEC 60950-1 (A1+A2):
7657	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electric Strength Test	Cl. No. 5.2 of IEC 60950-1 (A1+A2):
7658	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electric Strength Test	Cl. No. 5.2 of IEC 60950-1 (A1+A2):
7659	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electrical Insulation	Cl. No. 2.9 of IEC 60950-1 (A1+A2):
7660	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electrical Insulation	Cl. No. 2.9 of IEC 60950-1 (A1+A2):
7661	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electrical Insulation	Cl.No. 2.9 of IEC 60950-1 (A1+A2):
7662	ELECTRONICS- IT EQUIPMENT	IT Equipments	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IEC 60950-1 (A1+A2):
7663	ELECTRONICS- IT EQUIPMENT	IT Equipments	Interconnection of equipment	Cl. No. 3.5 of IEC 60950-1 (A1+A2):
7664	ELECTRONICS- IT EQUIPMENT	IT Equipments	Limited Current Circuits	Cl. No. 2.4 of IEC 60950-1 (A1+A2):
7665	ELECTRONICS- IT EQUIPMENT	IT Equipments	Limited Power Sources	Cl. No. 2.5 of IEC 60950-1 (A1+A2):
7666	ELECTRONICS- IT EQUIPMENT	IT Equipments	Limited Power Sources	Cl. No. 2.5 of IEC 60950-1 (A1+A2):

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	513 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7667	ELECTRONICS- IT EQUIPMENT	IT Equipments	Marking & Instructions	Cl. No. 1.7 of IEC 60950-1 (A1+A2):
7668	ELECTRONICS- IT EQUIPMENT	IT Equipments	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IEC 60950-1 (A1+A2):
7669	ELECTRONICS- IT EQUIPMENT	IT Equipments	Opening in Enclosure	Cl. No. 4.6 of IEC 60950-1 (A1+A2):
7670	ELECTRONICS- IT EQUIPMENT	IT Equipments	Opening in Enclosure	Cl. No. 4.6 of IEC 60950-1 (A1+A2):
7671	ELECTRONICS- IT EQUIPMENT	IT Equipments	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IEC 60950-1 (A1+A2):
7672	ELECTRONICS- IT EQUIPMENT	IT Equipments	Physical requirements Stability	Cl. No. 4.1 of IEC 60950-1 (A1+A2):
7673	ELECTRONICS- IT EQUIPMENT	IT Equipments	Power Interface	Cl. No. 1.6 of IEC 60950-1 (A1+A2):
7674	ELECTRONICS- IT EQUIPMENT	IT Equipments	Power Interface	Cl. No. 1.6 of IEC 60950-1 (A1+A2):
7675	ELECTRONICS- IT EQUIPMENT	IT Equipments	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IEC 60950-1 (A1+A2):
7676	ELECTRONICS- IT EQUIPMENT	IT Equipments	Provision for Earthing & Bonding	Cl. No. 2.6 of IEC 60950-1 (A1+A2):
7677	ELECTRONICS- IT EQUIPMENT	IT Equipments	Provision for Earthing and Bonding	Cl. No. 2.6 of IEC 60950-1 (A1+A2):
7678	ELECTRONICS- IT EQUIPMENT	IT Equipments	Resistance to fire	Cl. No. 4.7 of IEC 60950-1 (A1+A2):
7679	ELECTRONICS- IT EQUIPMENT	IT Equipments	Resistance to fire	Cl. No. 4.7 of IEC 60950-1 (A1+A2):
7680	ELECTRONICS- IT EQUIPMENT	IT Equipments	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IEC 60950-1 (A1+A2):
7681	ELECTRONICS- IT EQUIPMENT	IT Equipments	SELV Circuits	Cl. No. 2.2 of IEC 60950-1 (A1+A2):
7682	ELECTRONICS- IT EQUIPMENT	IT Equipments	SELV Circuits	Cl. No. 2.2 of IEC 60950-1 (A1+A2):
7683	ELECTRONICS- IT EQUIPMENT	IT Equipments	Thermal Requirements	Cl. No. 4.5 of IEC 60950-1 (A1+A2):
7684	ELECTRONICS- IT EQUIPMENT	IT Equipments	TNV Circuits	Cl. No. 2.3 of IEC 60950-1 (A1+A2):

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	514 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7685	ELECTRONICS- IT EQUIPMENT	IT Equipments	TNV Circuits	Cl. No. 2.3 of IEC 60950-1 (A1+A2):
7686	ELECTRONICS- IT EQUIPMENT	IT Equipments	Verification of Components	Cl. No. 1.5 (except Cl.No. 1.5.3,1.5.6,1.5.9.1) of IEC 60950-1 (A1+A2):
7687	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring Connection and Supply a)General	Cl. No. 3.1 of IEC 60950-1 (A1+A2):
7688	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring Terminal for external conductor	Cl. No. 3.3 of IEC 60950-1 (A1+A2):
7689	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring Terminal for external conductor	Cl.No. 3.3 of IEC 60950-1 (A1+A2):
7690	ELECTRONICS- IT EQUIPMENT	IT Equipments	Wiring Terminals for external conductors	Cl. No. 3.3 of IEC 60950-1 (A1+A2):
7691	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2
7692	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7693	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7694	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7695	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7696	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7697	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7698	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7699	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7700	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7701	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7702	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	515 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7703	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7704	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7705	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7706	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7707	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7708	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7709	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7710	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7711	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7712	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7713	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7714	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7715	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7716	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7717	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Over-current and earth fault protection in primary circuit	Cl. No. 2.7 of IS 13252+A1+A2
7718	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7719	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7720	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	516 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7721	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7722	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7723	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7724	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7725	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7726	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7727	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7728	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7729	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7730	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7731	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7732	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7733	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal Computers	Verification of Components	Cl.No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7734	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7735	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7736	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7737	ELECTRONICS- IT EQUIPMENT	Laptop, Notebook, Tablet, Personal computers	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7738	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	517 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7739	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7740	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7741	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7742	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7743	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7744	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7745	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7746	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7747	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7748	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7749	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7750	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7751	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7752	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7753	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7754	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7755	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7756	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	518 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7757	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7758	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7759	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7760	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7761	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7762	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7763	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7764	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7765	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7766	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7767	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7768	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7769	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7770	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7771	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7772	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2)
7773	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7774	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	519 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7775	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7776	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7777	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2
7778	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2
7779	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2
7780	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7781	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7782	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7783	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7784	ELECTRONICS- IT EQUIPMENT	Mail Processing Machine/ Franking Machine/ Postage Machines	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7785	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7786	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7787	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7788	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7789	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7790	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7791	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7792	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 520 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7793	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7794	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7795	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7796	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7797	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2IS 13252+A1+A2IS 13252+A1+A2IS 13252+A1+A2
7798	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7799	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7800	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7801	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7802	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7803	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7804	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7805	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7806	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7807	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Mechanical Strength	Cl. No 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7808	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	521 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7809	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7810	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7811	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7812	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7813	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7814	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7815	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7816	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7817	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7818	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7819	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7820	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Safety interlocks	Cl.No 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7821	ELECTRONICS- IT EQUIPMENT	Mobile Phones	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7822	ELECTRONICS- IT EQUIPMENT	Mobile Phones	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7823	ELECTRONICS- IT EQUIPMENT	Mobile Phones	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7824	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7825	ELECTRONICS- IT EQUIPMENT	Mobile Phones	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2
7826	ELECTRONICS- IT EQUIPMENT	Mobile Phones	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	522 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7827	ELECTRONICS- IT EQUIPMENT	Mobile Phones	TNV Circuits	Cl.No. 2.3 of IS 13252+A1+A2
7828	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Verification of Components	Cl.No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7829	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7830	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7831	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7832	ELECTRONICS- IT EQUIPMENT	Mobile Phones	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7833	ELECTRONICS- IT EQUIPMENT	Office Equipments (Printers, Scanners, Copiers, Fax Machines and Multi Function Devices)	Standby Power Measurement	BEE Schedule-16 IEC 62301
7834	ELECTRONICS- IT EQUIPMENT	Others	Design and construction	(Cl. 4.3) (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7835	ELECTRONICS- IT EQUIPMENT	Passport Readers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7836	ELECTRONICS- IT EQUIPMENT	Passport Readers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7837	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7838	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7839	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7840	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7841	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7842	ELECTRONICS- IT EQUIPMENT	Passport Readers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7843	ELECTRONICS- IT EQUIPMENT	Passport Readers	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	523 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7844	ELECTRONICS- IT EQUIPMENT	Passport Readers	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7845	ELECTRONICS- IT EQUIPMENT	Passport Readers	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7846	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7847	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7848	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7849	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7850	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7851	ELECTRONICS- IT EQUIPMENT	Passport Readers	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7852	ELECTRONICS- IT EQUIPMENT	Passport Readers	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7853	ELECTRONICS- IT EQUIPMENT	Passport Readers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7854	ELECTRONICS- IT EQUIPMENT	Passport Readers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7855	ELECTRONICS- IT EQUIPMENT	Passport Readers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7856	ELECTRONICS- IT EQUIPMENT	Passport Readers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7857	ELECTRONICS- IT EQUIPMENT	Passport Readers	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7858	ELECTRONICS- IT EQUIPMENT	Passport Readers	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7859	ELECTRONICS- IT EQUIPMENT	Passport Readers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7860	ELECTRONICS- IT EQUIPMENT	Passport Readers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7861	ELECTRONICS- IT EQUIPMENT	Passport Readers	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 524 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7862	ELECTRONICS- IT EQUIPMENT	Passport Readers	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7863	ELECTRONICS- IT EQUIPMENT	Passport Readers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7864	ELECTRONICS- IT EQUIPMENT	Passport Readers	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7865	ELECTRONICS- IT EQUIPMENT	Passport Readers	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7866	ELECTRONICS- IT EQUIPMENT	Passport Readers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7867	ELECTRONICS- IT EQUIPMENT	Passport Readers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7868	ELECTRONICS- IT EQUIPMENT	Passport Readers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7869	ELECTRONICS- IT EQUIPMENT	Passport Readers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7870	ELECTRONICS- IT EQUIPMENT	Passport Readers	Safety interlocks	Cl.No 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7871	ELECTRONICS- IT EQUIPMENT	Passport Readers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7872	ELECTRONICS- IT EQUIPMENT	Passport Readers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7873	ELECTRONICS- IT EQUIPMENT	Passport Readers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7874	ELECTRONICS- IT EQUIPMENT	Passport Readers	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7875	ELECTRONICS- IT EQUIPMENT	Passport Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7876	ELECTRONICS- IT EQUIPMENT	Passport Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7877	ELECTRONICS- IT EQUIPMENT	Passport Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7878	ELECTRONICS- IT EQUIPMENT	Passport Readers	Verification of Components	Cl.No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7879	ELECTRONICS- IT EQUIPMENT	Passport Readers	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 525 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7880	ELECTRONICS- IT EQUIPMENT	Passport Readers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7881	ELECTRONICS- IT EQUIPMENT	Passport Readers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7882	ELECTRONICS- IT EQUIPMENT	Passport Readers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7883	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7884	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7885	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7886	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7887	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7888	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7889	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7890	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7891	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7892	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7893	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7894	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7895	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7896	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7897	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 526 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7898	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7899	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7900	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7901	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7902	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7903	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7904	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7905	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7906	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7907	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7908	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7909	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7910	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7911	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7912	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7913	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7914	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7915	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	527 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7916	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7917	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7918	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7919	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7920	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7921	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7922	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7923	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7924	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7925	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7926	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7927	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7928	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7929	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7930	ELECTRONICS- IT EQUIPMENT	Point of Sale Terminals	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7931	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2
7932	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7933	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	528 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7934	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7935	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7936	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7937	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7938	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7939	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7940	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7941	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7942	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Design and Construction	Cl.No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7943	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7944	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7945	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7946	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7947	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7948	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
7949	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7950	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	529 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7951	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7952	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
7953	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
7954	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Mechanical Strength	Cl. No.4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
7955	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7956	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
7957	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
7958	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
7959	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7960	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
7961	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
7962	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
7963	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7964	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
7965	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7966	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
7967	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
7968	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	530 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7969	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7970	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
7971	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
7972	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7973	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7974	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
7975	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
7976	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
7977	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7978	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
7979	ELECTRONICS- IT EQUIPMENT	Power Adapters for IT Equipments	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
7980	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2
7981	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7982	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
7983	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
7984	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7985	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
7986	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	531 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
7987	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7988	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
7989	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7990	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
7991	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
7992	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7993	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
7994	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7995	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7996	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
7997	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
7998	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
7999	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8000	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8001	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
8002	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
8003	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8004	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	532 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8005	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
8006	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
8007	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8008	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8009	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
8010	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
8011	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8012	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8013	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8014	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8015	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
8016	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8017	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8018	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8019	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
8020	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8021	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8022	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	533 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8023	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Verification of Components	Cl. No 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
8024	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
8025	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8026	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8027	ELECTRONICS- IT EQUIPMENT	Power Banks for use in portable applications	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
8028	ELECTRONICS- IT EQUIPMENT	Servers	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252+A1+A2
8029	ELECTRONICS- IT EQUIPMENT	Servers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8030	ELECTRONICS- IT EQUIPMENT	Servers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8031	ELECTRONICS- IT EQUIPMENT	Servers	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
8032	ELECTRONICS- IT EQUIPMENT	Servers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8033	ELECTRONICS- IT EQUIPMENT	Servers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8034	ELECTRONICS- IT EQUIPMENT	Servers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8035	ELECTRONICS- IT EQUIPMENT	Servers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8036	ELECTRONICS- IT EQUIPMENT	Servers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8037	ELECTRONICS- IT EQUIPMENT	Servers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8038	ELECTRONICS- IT EQUIPMENT	Servers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8039	ELECTRONICS- IT EQUIPMENT	Servers	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
8040	ELECTRONICS- IT EQUIPMENT	Servers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	534 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8041	ELECTRONICS- IT EQUIPMENT	Servers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8042	ELECTRONICS- IT EQUIPMENT	Servers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8043	ELECTRONICS- IT EQUIPMENT	Servers	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8044	ELECTRONICS- IT EQUIPMENT	Servers	Electrical Insulation	Cl. No.2.9 of IS 13252+A1+A2
8045	ELECTRONICS- IT EQUIPMENT	Servers	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
8046	ELECTRONICS- IT EQUIPMENT	Servers	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
8047	ELECTRONICS- IT EQUIPMENT	Servers	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
8048	ELECTRONICS- IT EQUIPMENT	Servers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8049	ELECTRONICS- IT EQUIPMENT	Servers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8050	ELECTRONICS- IT EQUIPMENT	Servers	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
8051	ELECTRONICS- IT EQUIPMENT	Servers	Mechanical Strength	Cl.No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
8052	ELECTRONICS- IT EQUIPMENT	Servers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8053	ELECTRONICS- IT EQUIPMENT	Servers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8054	ELECTRONICS- IT EQUIPMENT	Servers	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
8055	ELECTRONICS- IT EQUIPMENT	Servers	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
8056	ELECTRONICS- IT EQUIPMENT	Servers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8057	ELECTRONICS- IT EQUIPMENT	Servers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8058	ELECTRONICS- IT EQUIPMENT	Servers	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 535 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8059	ELECTRONICS- IT EQUIPMENT	Servers	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
8060	ELECTRONICS- IT EQUIPMENT	Servers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8061	ELECTRONICS- IT EQUIPMENT	Servers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8062	ELECTRONICS- IT EQUIPMENT	Servers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8063	ELECTRONICS- IT EQUIPMENT	Servers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8064	ELECTRONICS- IT EQUIPMENT	Servers	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
8065	ELECTRONICS- IT EQUIPMENT	Servers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8066	ELECTRONICS- IT EQUIPMENT	Servers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8067	ELECTRONICS- IT EQUIPMENT	Servers	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8068	ELECTRONICS- IT EQUIPMENT	Servers	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
8069	ELECTRONICS- IT EQUIPMENT	Servers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8070	ELECTRONICS- IT EQUIPMENT	Servers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8071	ELECTRONICS- IT EQUIPMENT	Servers	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
8072	ELECTRONICS- IT EQUIPMENT	Servers	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
8073	ELECTRONICS- IT EQUIPMENT	Servers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8074	ELECTRONICS- IT EQUIPMENT	Servers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8075	ELECTRONICS- IT EQUIPMENT	Servers	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
8076	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	536 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8077	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8078	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
8079	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8080	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8081	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8082	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8083	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8084	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8085	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8086	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
8087	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8088	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8089	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Electrical Insulation	Cl. NO. 2.9 of IS 13252+A1+A2
8090	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Electrical Insulation	Cl. NO. 2.9 of IS 13252+A1+A2
8091	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Electrical Insulation	Cl NO. 2.9 of IS 13252+A1+A2
8092	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Interconnection of equipment	Cl. NO. 3.5 of IS 13252+A1+A2
8093	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Limited Current Circuits	Cl. NO. 2.4 of IS 13252+A1+A2
8094	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	537 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8095	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Limited Power Sources	Cl. NO. 2.5 of IS 13252+A1+A2
8096	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
8097	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Mechanical Strength	Cl. No. 4.2 - Except Cl. 4.2.8 of IS 13252+A1+A2
8098	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8099	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8100	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
8101	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
8102	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8103	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Power Interface	Cl.No. 1.6 of IS 13252+A1+A2
8104	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
8105	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
8106	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8107	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8108	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8109	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Resistance to fire	Cl. No.4.7 of IS 13252+A1+A2
8110	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
8111	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2
8112	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	538 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8113	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2
8114	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
8115	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8116	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8117	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8118	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Verification of Components	Cl. No 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
8119	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Wiring Connection and Supply a)General	Cl. No. 3.1 IS 13252+A1+A2
8120	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8121	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252+A1+A2
8122	ELECTRONICS- IT EQUIPMENT	Smart Card Readers	Wiring Terminals for external conductors	Cl. No.3.3 of IS 13252+A1+A2
8123	ELECTRONICS- IT EQUIPMENT	Smart Watches	Abnormal operating & fault conditions	Cl. No.5.3 of IS 13252+A1+A2
8124	ELECTRONICS- IT EQUIPMENT	Smart Watches	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8125	ELECTRONICS- IT EQUIPMENT	Smart Watches	Clearances, Creepage and distance through insulation	Cl.No. 2.10 of IS 13252+A1+A2
8126	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connection to Cable Distribution Systems	Cl. No.7 of IS 13252+A1+A2
8127	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connections to mains supply	Cl.No.3.2 of IS 13252+A1+A2
8128	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connections to mains supply	Cl.No.3.2 of IS 13252+A1+A2
8129	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connections to mains supply	Cl.No.3.2 of IS 13252+A1+A2
8130	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 539 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8131	ELECTRONICS- IT EQUIPMENT	Smart Watches	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8132	ELECTRONICS- IT EQUIPMENT	Smart Watches	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8133	ELECTRONICS- IT EQUIPMENT	Smart Watches	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8134	ELECTRONICS- IT EQUIPMENT	Smart Watches	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
8135	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8136	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8137	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8138	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8139	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8140	ELECTRONICS- IT EQUIPMENT	Smart Watches	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
8141	ELECTRONICS- IT EQUIPMENT	Smart Watches	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
8142	ELECTRONICS- IT EQUIPMENT	Smart Watches	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
8143	ELECTRONICS- IT EQUIPMENT	Smart Watches	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8144	ELECTRONICS- IT EQUIPMENT	Smart Watches	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8145	ELECTRONICS- IT EQUIPMENT	Smart Watches	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2
8146	ELECTRONICS- IT EQUIPMENT	Smart Watches	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) IS 13252+A1+A2
8147	ELECTRONICS- IT EQUIPMENT	Smart Watches	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	540 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8148	ELECTRONICS- IT EQUIPMENT	Smart Watches	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
8149	ELECTRONICS- IT EQUIPMENT	Smart Watches	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
8150	ELECTRONICS- IT EQUIPMENT	Smart Watches	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8151	ELECTRONICS- IT EQUIPMENT	Smart Watches	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8152	ELECTRONICS- IT EQUIPMENT	Smart Watches	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2
8153	ELECTRONICS- IT EQUIPMENT	Smart Watches	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
8154	ELECTRONICS- IT EQUIPMENT	Smart Watches	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8155	ELECTRONICS- IT EQUIPMENT	Smart Watches	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8156	ELECTRONICS- IT EQUIPMENT	Smart Watches	Resistance to fire	Cl. No.4.7 of IS 13252+A1+A2
8157	ELECTRONICS- IT EQUIPMENT	Smart Watches	Resistance to fire	Cl. No.4.7 of IS 13252+A1+A2
8158	ELECTRONICS- IT EQUIPMENT	Smart Watches	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of 13252+A1+A2
8159	ELECTRONICS- IT EQUIPMENT	Smart Watches	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2
8160	ELECTRONICS- IT EQUIPMENT	Smart Watches	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2
8161	ELECTRONICS- IT EQUIPMENT	Smart Watches	SELV Circuits	Cl.No. 2.2 of IS 13252+A1+A2
8162	ELECTRONICS- IT EQUIPMENT	Smart Watches	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
8163	ELECTRONICS- IT EQUIPMENT	Smart Watches	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8164	ELECTRONICS- IT EQUIPMENT	Smart Watches	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8165	ELECTRONICS- IT EQUIPMENT	Smart Watches	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	541 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8166	ELECTRONICS- IT EQUIPMENT	Smart Watches	Verification of Components	Cl.No. 1.5 Except Cl. 1.5.3, 1.5.6, 1.5.9.1 of IS 13252+A1+A2
8167	ELECTRONICS- IT EQUIPMENT	Smart Watches	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
8168	ELECTRONICS- IT EQUIPMENT	Smart Watches	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8169	ELECTRONICS- IT EQUIPMENT	Smart Watches	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8170	ELECTRONICS- IT EQUIPMENT	Smart Watches	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
8171	ELECTRONICS- IT EQUIPMENT	Smart Watches	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8172	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8173	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Verification of Components	Cl.No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2
8174	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252+A1+A2
8175	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252+A1+A2
8176	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8177	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8178	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connections to mains supply	Cl. No. 3.2 of IS 13252+A1+A2
8179	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8180	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Connections to telecommunication network	Cl. No. 6 of IS 13252+A1+A2
8181	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2
8182	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Design and Construction	Cl. No 4.3(Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	542 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8183	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252+A1+A2
8184	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8185	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8186	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8187	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electrical Insulation	Cl. No. 2.9 of IS 13252+A1+A2
8188	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252+A1+A2
8189	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Interconnection of equipment	Cl. No. 3.5 of IS 13252+A1+A2
8190	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Limited Current Circuits	Cl. No. 2.4 of IS 13252+A1+A2
8191	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8192	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Limited Power Sources	Cl. No. 2.5 of IS 13252+A1+A2
8193	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252+A1+A2
8194	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8195	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Opening in Enclosure	Cl. No. 4.6 of IS 13252+A1+A2
8196	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252+A1+A2
8197	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Physical requirements Stability	Cl. No. 4.1 of IS 13252+A1+A2
8198	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8199	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Power Interface	Cl. No. 1.6 of IS 13252+A1+A2
8200	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	543 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8201	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252+A1+A2
8202	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8203	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Resistance to fire	Cl. No. 4.7 of IS 13252+A1+A2
8204	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Safety interlock	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252+A1+A2
8205	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8206	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8207	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	SELV Circuits	Cl. No. 2.2 of IS 13252+A1+A2
8208	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Thermal Requirements	Cl. No. 4.5 of IS 13252+A1+A2
8209	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8210	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8211	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	TNV Circuits	Cl. No. 2.3 of IS 13252+A1+A2
8212	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252+A1+A2
8213	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8214	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252+A1+A2
8215	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8216	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252+A1+A2
8217	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Electric Strength Test	Cl. No. 5.2 of IS 13252+A1+A2
8218	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Marking & Instruction	Cl. No. 1.7 of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 544 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8219	ELECTRONICS- IT EQUIPMENT	Telephone Answering Machine	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252+A1+A2
8220	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices , Data storage equipment	Interconnection of equipment	Cl. No. 3.5 of IS 13252:A1+A2
8221	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252:A1+A2
8222	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices , Data storage equipment	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8223	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8224	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8225	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252:A1+A2
8226	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8227	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8228	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Connections to mains supply	Cl. No. of 3.2 IS 13252:A1+A2
8229	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 545 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8230	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Design and construction	(Cl. 4.3) (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
8231	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Design and construction	Cl. No 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
8232	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252:A1+A2
8233	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
8234	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
8235	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8236	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8237	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Electrical Insulation	Cl.No. 2.9 of IS 13252:A1+A2
8238	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Limited Current Circuits	Cl. No. 2.4 of IS 13252:A1+A2
8239	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
8240	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	546 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8241	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Marking & Instructions	Cl. No. 1.7 of IS 13252:A1+A2
8242	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252:A1+A2
8243	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
8244	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
8245	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252:A1+A2
8246	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Physical requirements Stability	Cl. No. 4.1 of IS 13252:A1+A2
8247	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
8248	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
8249	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252:A1+A2
8250	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252:A1+A2
8251	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	547 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8252	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Provision for Earthing and Bonding	Cl. No. 2.6 of IS 13252:A1+A2
8253	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
8254	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
8255	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252:A1+A2
8256	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8257	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8258	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Thermal Requirements	Cl. No. 4.5 of IS 13252:A1+A2
8259	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8260	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8261	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8262	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Verification of Components	Cl. No. 1.5 (except Cl.No. 1.5.3,1.5.6,1.5.9.1) of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	548 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8263	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252:A1+A2
8264	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8265	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Wiring Terminal for external conductor	Cl.No. 3.3 of IS 13252:A1+A2
8266	ELECTRONICS- IT EQUIPMENT	USB Driven Barcode Readers, Barcode Scanners, Iris Scanners, Optical Fingerprint Scanners, USB Type external hard disk drive, USB type external solid state storage devices, Data storage equipment	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252:A1+A2
8267	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8268	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8269	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252:A1+A2
8270	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8271	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8272	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8273	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8274	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8275	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8276	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8277	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	549 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8278	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Design and Construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
8279	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252:A1+A2
8280	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
8281	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
8282	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8283	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8284	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8285	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252:A1+A2
8286	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Interconnection of equipment	Cl. No. 3.5 of IS 13252:A1+A2
8287	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Limited Current Circuits	Cl. No. 2.4 of IS 13252:A1+A2
8288	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Limited Current Circuits	Cl. No. 2.4 of IS 13252:A1+A2
8289	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
8290	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
8291	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Marking & Instruction	Cl. No. 1.7 of IS 13252:A1+A2
8292	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252:A1+A2
8293	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
8294	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Opening in Enclosure	Cl. No. 4.6 of IS 13252:A1+A2
8295	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	550 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8296	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Physical requirements Stability	Cl. No. 4.1 of IS 13252:A1+A2
8297	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
8298	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
8299	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252:A1+A2
8300	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252:A1+A2
8301	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252:A1+A2
8302	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Resistance to fire	Cl. No. 4.7 IS 13252:A1+A2
8303	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
8304	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Safety interlocks	Cl. No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252:A1+A2
8305	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8306	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8307	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8308	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Thermal Requirements	Cl. No. 4.5 of IS 13252:A1+A2
8309	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8310	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8311	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8312	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8313	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Verification of Components	Cl. No. 1.5 (Except Cl. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	551 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8314	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252:A1+A2
8315	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8316	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8317	ELECTRONICS- IT EQUIPMENT	Visual Display Unit/Video Monitors	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8318	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252:A1+A2
8319	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8320	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8321	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connection to Cable Distribution Systems	Cl. No. 7 of IS 13252:A1+A2
8322	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8323	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8324	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to mains supply	Cl. No. 3.2 of IS 13252:A1+A2
8325	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8326	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8327	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Connections to telecommunication network	Cl. No. 6 of IS 13252:A1+A2
8328	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Design and construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
8329	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Design and construction	Cl. No. 4.3 (Except Cl. 4.3.13.2, 4.3.13.3, 4.3.13.4, 4.3.13.5) of IS 13252:A1+A2
8330	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Disconnection from Main Supply	Cl. No. 3.4 of IS 13252:A1+A2
8331	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Electric Strength	Cl. No. 5.2 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	552 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8332	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Electric Strength Test	Cl. No. 5.2 of IS 13252:A1+A2
8333	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8334	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Electrical Insulation	Cl. No. 2.9 of IS 13252:A1+A2
8335	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Electrical requirements and simulated abnormal conditions a) Touch current and protective conductor current	Cl. No. 5.1 of IS 13252:A1+A2
8336	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Interconnection of equipment	Cl. No. 3.5 of IS 13252:A1+A2
8337	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Limited Current Circuits	Cl. No. 2.4 of IS 13252:A1+A2
8338	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
8339	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Limited Power Sources	Cl. No. 2.5 of IS 13252:A1+A2
8340	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Marking & Instruction	Cl. No. 1.7 of IS 13252:A1+A2
8341	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Mechanical Strength	Cl. No. 4.2 (Except Cl. 4.2.8) of IS 13252:A1+A2
8342	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Opening in Enclosure	Cl. no. 4.6 of IS 13252:A1+A2
8343	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Opening in Enclosure	Cl. no. 4.6 of IS 13252:A1+A2
8344	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Over-current and earth fault protection in primary circuits	Cl. No. 2.7 of IS 13252:A1+A2
8345	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Physical requirements Stability	Cl. No. 4.1 of IS 13252:A1+A2
8346	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Physical requirements Stability	Cl. No. 4.1 of IS 13252:A1+A2
8347	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Power Interface	Cl. No. 1.6 of IS 13252:A1+A2
8348	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Protection against hazardous moving parts	Cl. No. 4.4 of IS 13252:A1+A2
8349	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Protection from Hazards a) Protection from Electric shock and Energy Hazards	Cl. No. 2.1 of IS 13252:A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	553 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8350	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252:A1+A2
8351	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Provision for Earthing & Bonding	Cl. No. 2.6 of IS 13252:A1+A2
8352	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
8353	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Resistance to fire	Cl. No. 4.7 of IS 13252:A1+A2
8354	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Safety interlocks	Cl.No. 2.8 (Except Cl. 2.8.5, 2.8.7) of IS 13252:A1+A2
8355	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8356	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	SELV Circuits	Cl. No. 2.2 of IS 13252:A1+A2
8357	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Thermal Requirements	Cl. No. 4.5 of IS 13252:A1+A2
8358	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8359	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	TNV Circuits	Cl. No. 2.3 of IS 13252:A1+A2
8360	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Verification of Components	Cl. No. 1.5 (Except Cl.No. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252:A1+A2
8361	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Wiring Connection and Supply a)General	Cl. No. 3.1 of IS 13252:A1+A2
8362	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8363	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Wiring Terminal for external conductor	Cl. No. 3.3 of IS 13252:A1+A2
8364	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard	Wiring Terminals for external conductors	Cl. No. 3.3 of IS 13252:A1+A2
8365	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard, Keyboards	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8366	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard, Keyboards	Clearances, Creepage and distance through insulation	Cl. No. 2.10 of IS 13252:A1+A2
8367	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard, Keyboards	Verification of Components	Cl. No. 1.5 (Except Cl.No. 1.5.3, 1.5.6, 1.5.9.1) of IS 13252+A1+A2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	554 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8368	ELECTRONICS- IT EQUIPMENT	Wireless Keyboard, Keyboards	Abnormal operating & fault conditions	Cl. No. 5.3 of IS 13252:A1+A2
8369	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumpsand blood glucose monitors, Pulse Oxymeter	Construction of me equipment	Cl.no 15 of IEC 60601-1:2005+AMD1:2012+AMD2
8370	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Determination of APPLIED PARTS and ACCESSIBLE PARTS	Cl.no.5.9 of IEC 60601-1:2005+AMD1:2012+AMD2
8371	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	HAZARDOUS SITUATIONS and fault conditions for ME EQUIPMENT	Cl.no.13 of IS 13450(Part 1)
8372	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protective earthing, Functional earthing and potential Equalization of me equipment	Cl. no 8.6 of IEC 60601-1:2005+AMD1:2012+AMD2
8373	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protective earthing, Functional earthing and potential Equalization of me equipment	Cl. No. 8.6 of IS 13450 (part 1)
8374	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	separation of Parts	Cl. No.8.5 of IS 13450 (Part 1)
8375	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	components and wiring	Cl. No. 8.10 of IS 13450 (part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	555 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8376	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	components and wiring	Cl.no.8.10 of IEC 60601-1:2005+AMD1:2012+AMD2
8377	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Creepage Distances and Air clearances	Cl. No.8.9 of IS 13450 (Part 1)
8378	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Creepage Distances and Air clearances	Cl.no.8.9 of IEC 60601-1:2005+AMD1:2012+AMD2
8379	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Determination of APPLIED PARTS and ACCESSIBLE PARTS	Cl.no.5.9 of IS 13450(Part 1)
8380	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	HAZARDOUS SITUATIONS and fault conditions for ME EQUIPMENT	Cl.no.13 of IEC 60601-1:2005+AMD1:2012+AMD2
8381	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Humidity Preconditions Treatment	Cl. No. 5.7 of IS 13450 (Part 1)
8382	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Humidity Preconditions Treatment	Cl.no. 5.7 of IEC 60601-1:2005+AMD1:2012+AMD2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	556 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8383	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Instability HAZARDS	Cl. no. 9.4 of IS 13450(Part 1)
8384	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Instability HAZARDS	Cl.no.9.4 of IEC 60601-1:2005+AMD1:2012+AMD2
8385	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Insulation (Distance through Insulation Test, Dielectric Strength test, Ball Pressure Test)	Cl.no.8.8 of IEC 60601-1:2005+AMD1:2012+AMD2
8386	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Insulation (Distance through Insulation Test, Dielectric Strength test, Ball Pressure Test)	Cl. No.8.8 of IS 13450 (Part 1)
8387	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Interruption of power supply	Cl. No. 11.8 of IS 13450 (Part 1)
8388	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Interruption of power supply	Cl.no.11.8 of IEC 60601-1:2005+AMD1:2012+AMD2
8389	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Leakage current and patient auxiliary current	Cl. No.8.7 of IS 13450 (part 1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 557 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8390	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Leakage current and patient auxiliary current	Cl.no.8.7 of IEC 60601-1:2005+AMD1:2012+AMD2
8391	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	MAINS PARTS, components and layout (Cord Anchorage Test, Cord Guards Test , Cord Flexing Test)	Cl.no.8.11 of IS 13450(Part 1)
8392	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	MAINS PARTS, components and layout (Cord Anchorage Test, Cord Guards Test , Cord Flexing Test)	Cl.no. 8.11 of IEC 60601-1:2005+AMD1:2012+AMD2
8393	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	ME Equipment Identification, marking and documents	Cl. No. 7 of IS 13450 (part 1)
8394	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	ME Equipment Identification, marking and documents	Cl.no.7 of IEC 60601-1:2005+AMD1:2012+AMD2
8395	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	ME System (Leakage Current Test)	Cl. No. 16.4,16.6,16.7 of IS 13450 (Part 1)
8396	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	ME System (Leakage Current Test)	Cl.no.16.4,16.6,16.7 of IEC 60601-1:2005+AMD1:2012+AMD2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	558 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8397	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Mechanical hazards associated with moving part	Cl. No. 9.2 of IS 13450 (Part 1)
8398	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Mechanical hazards associated with moving part	Cl.no.9.2 of IEC 60601-1:2005+AMD1:2012+AMD2
8399	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Mechanical strength (Push Test, Impact Test, Drop Test, Moulding stress relief test,Rough handling Test)	Cl.no.15.3.2,15.3.3,15.3.4,15.3.5,15.3.6 of IS 13450(Part 1)
8400	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Power Input Test	Cl.no. 4.11 of IS 13450(Part 1)
8401	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Power Input Test	Cl.no.4.11 of IEC 60601-1:2005+AMD1:2012+AMD2
8402	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Power Input Test	Cl.no.4.11 of IS 13450(Part 1)
8403	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protection against electric shock hazards From ME Equipment	Cl. No.8.1,8.2,8.4 of IS 13450 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	559 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8404	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protection against electric shock hazards From ME Equipment	Cl.no. 8.1 , 8.2, 8.4 of IEC 60601-1:2005+AMD1:2012+AMD2
8405	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protection against excessive temperatures and other safety hazards Overflow, Spillage, Leakage, humidity, ingress of liquids	Cl. No. 11.1,11.2,11.3,11.6 of IS 13450 (Part 1)
8406	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	Protection against excessive temperatures and other safety hazards Overflow, Spillage, Leakage, humidity, ingress of liquids	Cl.no. 11.1, 11.2, 11.3 , 11.6 of IEC 60601-1:2005+AMD1:2012+AMD2
8407	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumps and blood glucose monitors, Pulse Oxymeter	separation of Parts	Cl. no 8.5 of IEC 60601-1:2005+AMD1:2012+AMD2
8408	ELECTRONICS- MEDICAL ELECTRICAL EQUIPMENT	Medical Electrical Equipment: Oxygen Concentrator, Muscle Stimulator, TENS machine, Wheel Chair, Patient monitor, BP Machine, Wellness devices, Heart Monitor, Nebulizer, Medical Adapter, Sensors, analyzers, and patient monitoring equipment, Insulin pumpsand blood glucose monitors, Pulse Oxymeter	Construction of ME Equipment	Cl. No. 15 of IS 13450 (part 1)
8409	ELECTRONICS- MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems- Design Qualification Natural Environments	Damp heat cyclic test	Cl. No.11.15 of "Withdrawn Standard" IEC 62093
8410	ELECTRONICS- MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems- Design Qualification Natural Environments	Damp heat cyclic test	Cl. No.11.15 of IS 16229
8411	ELECTRONICS- MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems- Design Qualification Natural Environments	Damp heat test	Cl. No.11.13 of "Withdrawn Standard" IEC 62093
8412	ELECTRONICS- MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems- Design Qualification Natural Environments	Damp heat test	Cl. No.11.13 of IS 16229

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	560 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8413	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Functioning test Specific performance tests for component (Measurement of battery capacity, measurement of power and power factor of inverter, Measurement of MPPT efficiency of inverter, voltage drop test, end of charge, low voltage charge and disconnect voltage test, reverse polarity and overload protection test, temperature compensation for threshold)	Cl. No.11.2 , 11.3 of IS 16229
8414	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Functioning test Specific performance tests for component (Measurement of battery capacity, measurement of power and power factor of inverter, Measurement of MPPT efficiency of inverter, voltage drop test, end of charge, low voltage charge and disconnect voltage test, reverse polarity and overload protection test, temperature compensation for threshold)	Cl. No.11.2 , 11.3 of "Withdrawn Standard" IEC 62093
8415	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Functioning test Specific performance tests for component (Measurement of battery capacity, measurement of power and power factor of inverter, Measurement of MPPT efficiency of inverter, voltage drop test, end of charge, low voltage charge and disconnect voltage test, reverse polarity and overload protection test, temperature compensation for threshold)	Cl. No.11.2 , 11.3 of IS 16229

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	561 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8416	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Functioning test Specific performance tests for component (Measurement of battery capacity, measurement of power and power factor of inverter, Measurement of MPPT efficiency of inverter, voltage drop test, end of charge, low voltage charge and disconnect voltage test, reverse polarity and overload protection test, temperature compensation for threshold)	Cl. No.11.2,11.3 of "Withdrawn Standard" IEC 62093
8417	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Humidity freeze test	Cl .No.11.12 of "Withdrawn Standard" IEC 62093
8418	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Humidity freeze test	Cl .No.11.12 of IS 16229
8419	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Insulation test	Cl. No.11.4 of "Withdrawn Standard" IEC 62093
8420	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Insulation test	Cl. No.11.4 of IS 16229
8421	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Insulation test	Cl. No.11.4 of IS 16229
8422	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Insulation test	Cl. No.11.4 of "Withdrawn Standard" IEC 62093
8423	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Outdoor exposure test	Cl. No.11.5 of "Withdrawn Standard" IEC 62093
8424	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Outdoor exposure test	Cl. No.11.5 of IS 16229
8425	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Protection against dust, water and foreign bodies (IP-code)	Cl.No. 11.7 of "Withdrawn Standard" IEC 62093
8426	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Protection against dust, water and foreign bodies (IP-code)	Cl.No. 11.7 of IS 16229

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 562 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8427	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Protection against mechanical impact (IK)	Cl.No.11.6 of "Withdrawn Standard" IEC 62093
8428	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Protection against mechanical impact (IK)	Cl.No.11.6 of IS 16229
8429	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Robutness of terminal test	Cl. No.11.14 of "Withdrawn Standard" IEC 62093
8430	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Robutness of terminal test	Cl. No.11.14 of IS 16229
8431	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Shipping vibration test	Cl.No.11.8 of "Withdrawn Standard" IEC 62093
8432	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Shipping vibration test	Cl.No.11.8 of IS 16229
8433	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Shock test	Cl. No.11.9 of "Withdrawn Standard" IEC 62093
8434	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Shock test	Cl. No.11.9 of IS 16229
8435	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Thermal cycling test	Cl. No.11.11 of "Withdrawn Standard" IEC 62093
8436	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Thermal cycling test	Cl. No.11.11 of IS 16229
8437	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	UV test	Cl. No.11.10 of "Withdrawn Standard" IEC 62093
8438	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	UV test	Cl. No.11.10 of IS 16229
8439	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	VERIFICATION OF MARKING	Cl. No. 4, 5 of "Withdrawn Standard" IEC 62093
8440	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	VERIFICATION OF MARKING	Cl. No. 4, 5 of IS 16229

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	563 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8441	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 5.2.1 of IEC 62040-1
8442	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No.11.1 of "Withdrawn Standard" IEC 62093
8443	ELECTRONICS-MISCELLANEOUS PRODUCTS	Balance-of-Systems Components for Photovoltaic Systems-Design Qualification Natural Environments	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No.11.1 of IS 16229
8444	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Battery open circuit test	Cl. No. 5.4.6 of IEC 62509
8445	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Battery open circuit test	Cl. No. 5.4.6 of IS 16797
8446	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Battery reverse polarity test	Cl.No. 5.4.4 of IEC 62509
8447	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Battery reverse polarity test	Cl.No. 5.4.4 of IS 16797
8448	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Charging cycle test	Cl.No.5.1.5 of IEC 62509
8449	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Charging cycle test	Cl.No.5.1.5 of IS 16797
8450	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Efficiency test	Cl.No. 5.3.2 of IEC 62509
8451	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Efficiency test	Cl.No. 5.3.2 of IS 16797:2019
8452	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Load disconnect/ load reconnect test	Cl.No. 5.2.3 of IEC 62509
8453	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Load disconnect/ load reconnect test	Cl.No. 5.2.3 of IS 16797
8454	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Load over current protection test	Cl.No. 5.4.3 of IS 16797

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	564 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8455	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Load over current protection test	Cl.No. 5.4.3 of IEC 62509
8456	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	PV generator reverse polarity test	Cl.No. 5.4.5 of IEC 62509
8457	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	PV generator reverse polarity test	Cl.No. 5.4.5 of IS 16797
8458	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	PV over current protection test	Cl. No. 5.4.2 of IEC 62509
8459	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	PV over current protection test	Cl. No. 5.4.2 of IS 16797
8460	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Reverse current test	Cl. No.5.1.4 of IS 16797
8461	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Reverse current test	Cl. No.5.1.4 of IEC 62509
8462	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Stand by self-consumption test	Cl. No. 5.3.1 of IS 16797
8463	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Stand by self-consumption test	Cl. No. 5.3.1 of IEC 62509
8464	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Thermal performance test	Cl.No. 5.4.1 of IEC 62509
8465	ELECTRONICS-MISCELLANEOUS PRODUCTS	Battery Charge Controllers for Photovoltaic Systems - Performance and Functioning	Thermal performance test	Cl.No. 5.4.1 of IS 16797
8466	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Bending (flexing) test	Cl. No. 6.3.6 of IEC 62852
8467	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Bending (flexing) test	Cl.No.6.3.6 of EN 50521+ A1
8468	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Cable clamp (Pull & torsion)	Cl. No. 6.5 & A6.1, A6.2 of IEC 62852

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	565 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8469	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Cable clamp (Pull & torsion)	Cl. No. 6.5 & A6.1, A6.2 of EN 50521 + A1
8470	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Change of temperature	Cl.No.6.3.11 of IEC 62852
8471	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Clearance and Creepage distances	Cl.No. 5.18 & 6.3.7 & 6.5 A1.2 of IEC 62852
8472	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Clearance and Creepage distances	Cl.No. 5.18 & 6.3.7 of EN 50521 + A1
8473	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Contact retention in insert	Cl. No. 6.5 & A5 of EN 50521 + A1
8474	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Contact retention in insert	Cl. No. 6.5 & A5 of IEC 62852
8475	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Damp heat test	Cl.No.6.3.12 of EN 50521+ A1
8476	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Damp heat test	Cl.No.6.3.12 of IEC 62852
8477	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Degree of protection (IP Code)	Cl.No. 5.9 & 6.3.3.2 of IEC 62852
8478	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Degree of protection (IP Code)	Cl.No. 5.9 & 6.3.3.2 of EN 50521+ A1
8479	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Dielectric strength	Cl. No.6.3.8 of EN 50521+ A1
8480	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Dielectric strength	Cl. No.6.3.8 of IEC 62852
8481	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Durability of marking	Cl. No.6.3.2 & 6.5 A2 of EN 50521+ A1
8482	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Durability of marking	Cl. No.6.3.2 & 6.5 A2 of IEC 62852

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	566 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8483	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Effectiveness of connector coupling device	Cl.No. 6.3.14 of IEC 62852
8484	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Effectiveness of connector coupling device	Cl.No. 6.3.14 of EN 50521+ A1
8485	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Mechanical operation	Cl. No.6.3.5 of EN 50521+ A1
8486	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Mechanical operation	Cl. No.6.3.5 of IEC 62852
8487	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Protection against electric shock	Cl.No. 5.4 & 6.3.3.1 of IEC 62852
8488	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Protection against electric shock	Cl.No. 5.4 & 6.3.3.1 of EN 50521+ A1
8489	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Provision against incorrect mating (non-intermateable)	Cl.No 5.3 & 6.5 of EN 50521+ A1
8490	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Provision against incorrect mating (non-intermateable)	Cl.No 5.3 & 6.5 of IEC 62852
8491	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Temperature Rise	Cl. No.6.3.4 of EN 50521+ A1
8492	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Temperature Rise	Cl. No.6.3.4 of IEC 62852
8493	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Terminations and connecting methods (Test of contact retention, pull force test, torsion test on terminals and connectors)	Cl.No. 5.5 & 6.5 A4 of EN 50521+ A1
8494	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Terminations and connecting methods (Test of contact retention, pull force test, torsion test on terminals and connectors)	Cl.No. 6.3.15, 5.5 & 6.5 A4 of IEC 62852

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	567 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8495	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Test on Insulation Parts (Flammability Rating Test, Glow Wire Test, CTI Test, Weather Resistance)	Cl.No. 5.19 of IEC 62852
8496	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Test on Insulation Parts (Flammability Rating Test, Glow Wire Test, CTI Test, Weather Resistance)	Cl.No. 5.20 of EN 50521+ A1
8497	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	Thermal cycle test	Cl.No.6.3.11 of EN 50521 + A1
8498	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	VERIFICATION OF MARKING	Cl. No.5.2 of EN 50521+ A1
8499	ELECTRONICS-MISCELLANEOUS PRODUCTS	Connectors For DC-Application In Photovoltaic Systems	VERIFICATION OF MARKING	Cl. No.5.2 of IEC 62852
8500	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Insulation Test	Cl.No.10.3 of IS 14286
8501	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Mechanical load test	Cl. No. 10.16 of IS 14286
8502	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Bypass diode thermal test	Cl. No.10.18 of IS 14286
8503	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Damp-heat test	Cl. No.10.13 of IS 14286
8504	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Hail test	Cl. No. 10.17 of IS 14286
8505	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Hot-spot endurance test	Cl. No. 10.9 of IS 14286
8506	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Hot-spot endurance test	Cl. No.10.9 of IS 14286
8507	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Humidity freeze test	Cl. No.10.12 of IS 14286

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	568 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8508	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Insulation Test	Cl. No.10.3 of IS 14286
8509	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Marking	Cl. No.4 of IS 14286
8510	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Maximum power determination	Cl. No.10.2 of IS 14286
8511	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Measurement of nominal operating cell temperature (NOCT)	Cl. No. 10.5 of IS 14286
8512	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Measurement of temperature Cofficients	Cl. No.10.4 of IS 14286
8513	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Outdoor exposure test	Cl. No.10.8 of IS 14286
8514	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Performance at low irradiance	Cl. No.10.7 of IS 14286
8515	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Performance at STC and NOCT	Cl. No. 10.6 of IS 14286
8516	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Performance at STC and NOCT	Cl. No.10.6 of IS 14286
8517	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Robustness of terminations tests	Cl. No.10.14 of IS 14286
8518	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Robustness of terminations tests- Torque test	Cl. No.10.14 of IS 14286
8519	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Thermal cycling test	Cl. No. 10.11 of IS 14286
8520	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	UV pre conditioning test	Cl.No. 10.10 of IS 14286
8521	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 10.1 of IS 14286

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	569 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8522	ELECTRONICS-MISCELLANEOUS PRODUCTS	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval	Wet leakage current test	Cl. No. 10.15 of IS 14286
8523	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Bypass diode thermal test (MQT 18)	Cl. No. 11.18 of IS 14286-1-1
8524	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. 11.13 of IS 14286-1-1
8525	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Hail test (MQT 17)	Cl. 11.17 of IS 14286-1-1
8526	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-1
8527	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No.11.9 of IS 14286-1-1
8528	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IS 14286-1-1
8529	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-1
8530	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-1
8531	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IS 14286-1-1
8532	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No.11.2 of IS 14286-1-1
8533	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 of IS 14286-1-1
8534	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Measurement of Temperature Coefficients (MQT 04)	Cl. No. 11.4 of IS 14286-1-1
8535	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IS 14286-1-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	570 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8536	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IS 14286-1-1
8537	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-1
8538	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-1
8539	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IS 14286-1-1
8540	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)- Torque test	Cl. No. 11.14 of IS 14286-1-1
8541	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No. 11.19 of IS 14286-1-1
8542	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Static Mechanical load test (MQT 16)	Cl. No. 11.16 of IS 14286-1-1
8543	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IS 14286-1-1
8544	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IS 14286-1-1
8545	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IS 14286-1-1
8546	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for crystalline silicon photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IS 14286-1-1
8547	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IS 14286-1-3
8548	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IS 14286-1-3
8549	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IS 14286-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	571 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8550	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-3
8551	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-3
8552	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IS 14286-1-3
8553	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-3
8554	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-3
8555	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IS 14286-1-3
8556	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of IS 14286-1-3
8557	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 of IS 14286-1-3
8558	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IS 14286-1-3
8559	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IS 14286-1-3
8560	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IS 14286-1-3
8561	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-3
8562	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-3
8563	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IS 14286-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	572 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8564	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No. 11.19 of IS 14286-1-3
8565	ELECTRONICS-MISCELLANEOUS PRODUCTS	Design Qualification and Type Approval Test for thin-film amorphous silicon based photovoltaic (PV) modules	Static Mechanical load test (MQT 16)	Cl. No. 11.16 of IS 14286-1-3
8566	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Ball Pressure Test	Cl.No. 5.3.13 of EN 50548 : 2011/A1: 2013+ A2
8567	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Ball Pressure Test	Cl.No. 5.3.13 of IEC 62790
8568	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Bypass diode thermal test	Cl. No. 5.3.18 of EN 50548 : 2011/A1: 2013+ A2:
8569	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Bypass diode thermal test	Cl. No. 5.3.18 of IEC 62790
8570	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Bypass diode thermal test	Cl. No. 5.3.18 of IEC 62790
8571	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Bypass diode thermal test	Cl.No. 5.3.18 of EN 50548 : 2011/A1: 2013+ A2
8572	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Damp-heat test	Cl. No 5.3.10 of EN 50548 : 2011/A1: 2013+ A2:
8573	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Damp-heat test	Cl. No 5.3.10 of IEC 62790
8574	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Dielectric strength	Cl. No 5.3.6 of IEC 62790
8575	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Dielectric strength	Cl.No 5.3.6 of EN 50548 : 2011/A1: 2013+ A2
8576	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Durability of marking	Cl. No 5.3.2 of EN 50548 : 2011/A1: 2013+ A2
8577	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Durability of marking	Cl. No 5.3.2 of IEC 62790

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	573 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8578	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Flammability class	Cl. No 5.3.12 of EN 50548 : 2011/A1: 2013+ A2
8579	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Flammability class	Cl. No 5.3.12 of IEC 62790
8580	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Glow wire test	Cl. No 5.3.14 of EN 50548 : 2011/A1: 2013+ A2
8581	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Glow wire test	Cl. No 5.3.14 of IEC 62790
8582	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Humidity freeze test	Cl. No 5.3.17 of EN 50548 : 2011/A1: 2013+ A2
8583	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Humidity freeze test	Cl. No 5.3.17 of IEC 62790
8584	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Knock-out inlets (outlets) intended to be removed by mechanical impact	Cl. No 5.3.20 of EN 50548 : 2011/A1: 2013+ A2
8585	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Knock-out inlets (outlets) intended to be removed by mechanical impact	Cl. No 5.3.20 of IEC 62790
8586	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Mechanical strength at lower temperature	Cl. No 5.3.8 of EN 50548 : 2011/A1: 2013+ A2
8587	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Mechanical strength at lower temperature	Cl. No 5.3.8 of EN 50548 : 2011/A1: 2013+ A2
8588	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Mechanical strength at lower temperature	Cl. No 5.3.8 of IEC 62790
8589	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Mechanical strength at lower temperature	Cl. No 5.3.8 of IEC 62790
8590	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Protection against electric shock	Cl. No 5.3.4 & 4.3 of EN 50548 : 2011/A1: 2013+ A2
8591	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Protection against electric shock	Cl. No 5.3.4 & 4.3 of IEC 62790

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 574 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8592	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Resistance against ageing	Cl. No 5.3.15 of EN 50548 : 2011/A1: 2013+ A2
8593	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Resistance against ageing	Cl. No 5.3.15 of IEC 62790
8594	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Resistance to corrosion	Cl. No 5.3.7 of EN 50548 : 2011/A1: 2013+ A2
8595	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Resistance to corrosion	Cl. No 5.3.7 of IEC 62790
8596	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Retention on the mounting surface	Cl. No 5.3.22 of EN 50548 : 2011/A1: 2013+ A2
8597	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Retention on the mounting surface	Cl. No 5.3.22 of IEC 62790
8598	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Reverse current test at junction box	Cl. No 5.3.23 of EN 50548 : 2011/A1: 2013+ A2
8599	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Reverse current test at junction box	Cl. No 5.3.23 of IEC 62790
8600	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Screw- fixed lid and screw less fixing of lid	Cl. No 5.3.3.2 & 5.3.3.3 of EN 50548 : 2011/A1: 2013+ A2
8601	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Screw- fixed lid and screw less fixing of lid	Cl. No 5.3.3.2 & 5.3.3.3 of IEC 62790
8602	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of cord anchorage	Cl. No 5.3.21 of EN 50548 : 2011/A1: 2013+ A2
8603	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of cord anchorage	Cl. No 5.3.21 of IEC 62790
8604	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of terminations and connection methods	Cl. No 5.3.19 of EN 50548 : 2011/A1: 2013+ A2
8605	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of terminations and connection methods	Cl. No 5.3.19 of EN 50548 : 2011/A1: 2013+ A2

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	575 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8606	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of terminations and connection methods	Cl. No 5.3.19 of IEC 62790
8607	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Test of terminations and connection methods	Cl. No 5.3.19 of IEC 62790
8608	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Thermal cycling test	Cl. No 5.3.9 of EN 50548 : 2011/A1: 2013+ A2
8609	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Thermal cycling test	Cl. No 5.3.9 of IEC 62790
8610	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	VERIFICATION OF MARKING	Cl. No 4.2 of EN 50548 : 2011/A1: 2013+ A2
8611	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	VERIFICATION OF MARKING	Cl. No 4.2 of IEC 62790
8612	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Weather resistance test	Cl. No 5.3.11 of EN 50548 : 2011/A1: 2013+ A2
8613	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Weather resistance test	Cl. No 5.3.11 of IEC 62790
8614	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Wet Leakage current Test	Cl. No 5.3.16 of EN 50548 : 2011/A1: 2013+ A2
8615	ELECTRONICS-MISCELLANEOUS PRODUCTS	Junction Boxes for Photovoltaic Modules	Wet Leakage current Test	Cl. No 5.3.16 of IEC 62790
8616	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Autonomy Test	Cl.No. 7.1 IS 16476 (Part 1)
8617	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Lumen Maintenance test	Cl.No. 6.3 of IS 16476 (Part 1)
8618	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Battery Test (Battery Capacity Test and Storage Efficiency test)	Cl.No.7.0 of IS 16476 (Part 2):
8619	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Battery Test (Battery Capacity Test and Storage Efficiency test)	Cl.No. 8.7 of IS 16476 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	576 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8620	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Charging Circuit Efficiency	Cl.No. 7.3.1 of IS 16476 (Part 1)
8621	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Drop Test	Cl.No. 8.1 of IS 16476 (Part 1)
8622	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Duty Cycle	Cl.No. 7.2 of IS 16476 (Part 1)
8623	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	LED Driver efficiency and Variance in output	Cl.No. 7.3.2 of IS 16476 (Part 1)
8624	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN	LED	Cl no. 5.2 of IS 16476(Part 1)
8625	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN	LED	Cl.No. 6.2 of IS 16476 (Part 1)
8626	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Marking, Durability and Legibility of marking	Cl.No.9.1, 9.2 of IS 16476 (Part 1)
8627	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Minimum Illuminance with distance	Cl.No. 6.1 of IS 16476 (Part 1)
8628	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Overcharge and deep discharge protection	Cl.No. 8.4.1 of IS 16476 (Part 1)
8629	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Protection against environmental aspects	Cl.No. 8.8 of IS 16476 (Part 1)
8630	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Protection against open circuit, short circuit and reverse polarity	Cl.No. 8.3.1-8.3.3 of IS 16476 (Part 1)
8631	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	PV Module (I-V Characteristics Test)	Cl.No. 8.5 of IS 16476 (Part 1)
8632	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Standby Self-Consumption	Cl.No. 8.4.3 of IS 16476 (Part 1)
8633	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Switch and connector test	Cl.No. 8.2 of IS 16476 (Part 1)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	577 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8634	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED BASED SOLAR LANTERN	Temperature compensation	Cl.No. 8.4.2 of IS 16476 (Part 1)
8635	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN	Visual screening	Cl.No.4.0 of IS 16476 (Part 2)
8636	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN	Visual screening	Cl.No.5.0 of IS 16476 (Part 1)
8637	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	P-V module IV characteristic test	Cl.No. 6 of IS 16476 (Part 2)
8638	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Solar charge efficiency test	Cl.No. 10 of IS 16476 (Part 2)
8639	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Charge controller behavior test	Cl.No.9.0 of IS 16476 (Part 2)
8640	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Duty Cycle test	Cl.No. 11.0 of IS 16476 (Part 2)
8641	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Full-battery run time/Autonomy test	Cl.No.8.0 of IS 16476 (Part 2)
8642	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Lumen Maintenance test	Cl.No. 15 of IS 16476 (Part 2)
8643	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Mechanical durability test	Cl.No.14.0 of IS 16476 (Part 2)
8644	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Protection Tests (No Load Protection Test Short Circuit Protection Test, Battery Reverse Polarity Protection & LED Driver Reverse Polarity Protection Test)	Cl.No. 13.0 of IS 16476 (Part 2)
8645	ELECTRONICS-MISCELLANEOUS PRODUCTS	LED based SOLAR LANTERN (Part 2: Method of tests)	Temperature compensation test	Cl.No. 12.0 of IS 16476 (Part 2)
8646	ELECTRONICS-MISCELLANEOUS PRODUCTS	Overall efficiency of grid connected photovoltaic inverters	Calculation of the overall efficiency	Cl. No.5 of EN 50530

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	578 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8647	ELECTRONICS-MISCELLANEOUS PRODUCTS	Overall efficiency of grid connected photovoltaic inverters	Calculation of the overall efficiency	Cl. No.5 of EN 50530
8648	ELECTRONICS-MISCELLANEOUS PRODUCTS	Overall efficiency of grid connected photovoltaic inverters	MPPT and conversion efficiencies	Cl.No. 4 of EN 50530
8649	ELECTRONICS-MISCELLANEOUS PRODUCTS	Overall efficiency of grid connected photovoltaic inverters	MPPT and conversion efficiencies	Cl.No. 4 of EN 50530
8650	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Bypass diode thermal Test (MST 25)	Cl. No.10.19 of IEC 61730-2
8651	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Conduit bending test (MST 33)	Cl. 11.2 of IS/IEC 61730-2
8652	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Continuity test of equipotential bonding (MST 13)	Cl. No.10.11 of IS/IEC 61730-2
8653	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Continuity test of equipotential bonding (MST 13)	Cl.No.10.11 of IS/IEC 61730-2
8654	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Cut susceptibility Test (MST 12)	Cl. 10.3 of IS/IEC 61730-2
8655	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Dielectric withstand test (MST 16)	Cl. No.10.6 of IS/IEC 61730-2
8656	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Dielectric withstand test (MST 16)	Cl. No.10.6 of IS/IEC 61730-2
8657	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Durability of Markings (MST 05)	Cl. No. 10.6 of IEC 61730-2
8658	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Grounding continuity Test (MST 13)	Cl. No.10.4 of IS/IEC 61730-2
8659	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Grounding continuity Test (MST 13)	Cl. No.10.4 of IS/IEC 61730-2
8660	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Hot Spot Endurance Test (MST 22)	Cl. No.10.16 of IEC 61730-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	579 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8661	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Hot Spot Endurance Test (MST 22)	Cl. No.10.16 of IEC 61730-2
8662	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Humidity freeze test (MST 52)	Cl. No.10.29 of IEC 61730-2
8663	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Material Creep Test (MST 37)	Cl. No.10.26 of IEC 61730-2
8664	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Maximum Power Determination (MST 03)	Cl.No.10.4 of IEC 61730-2
8665	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Peel test (MST 35)	Cl.No.10.24 of IS/IEC 61730-2
8666	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Visual Inspection (MST 01)	Cl. No.10.1 of IS/IEC 61730-2
8667	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Visual Inspection (MST 01)	Cl.No.10.2 of IS/IEC 61730-2
8668	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Fire test (MST 23)	Cl. No.10.8 of IS/IEC 61730-2
8669	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Ignitability test (MST24)	Cl. No.10.18 of IEC 61730-2
8670	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Partial discharge test (MST 15)	Cl. No.11.1 of IS/IEC 61730-2
8671	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Static mechanical load test (MST 34)	Cl. No.10.23 of IEC 61730-2
8672	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module	Irradiance and Temperature performance Measurements (With natural Sunlight and with Solar Simulator)	Cl. No. 8 of IEC 61853-1
8673	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module	Irradiance and Temperature performance Measurements (With natural Sunlight and with Solar Simulator)	Cl. No. 8 of IEC 61853-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	580 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8674	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module	Irradiance and Temperature performance Measurements (With natural Sunlight and with Solar Simulator)	Cl. No. 8 of IS 16170 (Part 1)
8675	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module	Irradiance and Temperature performance Measurements (With natural Sunlight and with Solar Simulator)	Cl. No. 8 of IS 16170 (Part 1)
8676	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module	Other Connections -Visual inspection	Cl. No.5.4.7 IS/IEC 61730-1
8677	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Determining coefficient for calculating module operating temperature	Cl. No.8 of BS EN 61853-2
8678	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Determining coefficient for calculating module operating temperature	Cl. No.8 of IEC 61853-2
8679	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Measurement of incidence angle effects	Cl. No.7 of BS EN 61853-2
8680	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Measurement of incidence angle effects	Cl. No.7 of IEC 61853-2
8681	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Preconditioning	Cl. No. 4 of BS EN 61853-2
8682	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) module performance testing and energy rating	Preconditioning	Cl.No. 4 of IEC 61853-2
8683	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Accessibility Test (MST 11)	Cl. No.10.2 of IS/IEC 61730-2
8684	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Connectors	Cl.No. 5.3.4 of IS/IEC 61730-1
8685	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Connectors	Cl.No. 5.3.4 of IEC 61730-1
8686	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheet	Cl. No.5.3.6 of IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	581 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8687	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IEC 61730-1
8688	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IEC 61730-1
8689	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IEC 61730-1
8690	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8691	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8692	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8693	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8694	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8695	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Frontsheets and backsheets	Cl. No.5.3.6 of IS/IEC 61730-1
8696	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Metallic materials	Cl.No. 5.5.3 of IEC 61730-1
8697	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Metallic materials	Cl.No. 5.5.3 of IS/IEC 61730-1
8698	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification	Other Connections -Visual inspection	Cl. No.5.4.7 of IEC 61730-1
8699	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Accessibility Test	Cl. No. 5.5.4 of IEC 61730-1
8700	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Accessibility Test	Cl. No. 5.5.4 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	582 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8701	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives -Lap shear strength test (MST 36)	Cl. No. 5.5.4 of IEC 61730-1
8702	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives Lap shear strength test (MST 36)	Cl. No. 5.5.4 of IS/IEC 61730-1
8703	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives -Wet leakage current test	Cl. No. 5.5.4 of IEC 61730-1
8704	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives -Wet leakage current test	Cl. No. 5.5.4 of IS/IEC 61730-1
8705	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives -Mechanical load test	Cl.No. 5.5.4 IS/IEC 61730-1:
8706	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Adhesives -Mechanical load test	Cl.No. 5.5.4 of IEC 61730-1
8707	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Ball pressure test	Cl. No. 5.5.2 of IS/IEC 61730-1
8708	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bonding and Grounding - size of dimension measurement of terminals for supply conductors	Cl.No. 8 of IS/IEC 61730-1
8709	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bonding and Grounding - size of dimension measurement of terminals for supply conductors	Cl.No. 8 of IS/IEC 61730-1
8710	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Visual inspection	Cl.No. 5.3.10 of IS/IEC 61730-1
8711	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Bypass diode functionality test	Cl. No. 5.3.10 of IS/IEC 61730-1
8712	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Bypass diode functionality test	Cl.No. 5.3.10 of IEC 61730-1
8713	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Bypass Diodes thermal test	Cl.No. 5.3.10 of IEC 61730-1
8714	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Bypass Diodes thermal test	Cl.No. 5.3.10 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	583 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8715	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass diodes - Hot-spot endurance test	Cl.No. 5.3.10 of IS/IEC 61730-1
8716	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass Diodes - Visual inspection	Cl.No. 5.3.10 of IEC 61730-1
8717	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Bypass diodes- Hot-spot endurance test	Cl.No. 5.3.10 of IEC 61730-1
8718	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Conduit applications – Metallic - Conduit bending test	Cl. No. 10.8 of IS/IEC 61730-1
8719	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Conduit applications - Non-metallic - terminal box knockout test	Cl. No.10.9 of IS/IEC 61730-1
8720	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Conduit applications - Non-metallic - Conduit bending test	Cl. No.10.9 of IS/IEC 61730-1
8721	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Wet leakage test	Cl. No.5.4.6 of IEC 61730-1
8722	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Module breakage test	Cl. No.5.4.6 of IS/IEC 61730-1
8723	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Wet leakage test	Cl. No.5.4.6 of IS/IEC 61730-1
8724	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive- Mechanical load test	Cl.No. 5.4.6 of IS/IEC 61730-1
8725	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive- Peel test	Cl. No.5.4.6 of IS/IEC 61730-1
8726	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Accessibility test	Cl. No.5.4.6 of IS/IEC 61730-1
8727	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Continuity of equipotential bonding test	Cl. No.5.4.6 of IS/IEC 61730-1
8728	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Accessibility test	Cl. No.5.4.6 of IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	584 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8729	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Continuity of equipotential bonding test	Cl. No.5.4.6 of IEC 61730-1
8730	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Module breakage test	Cl. No.5.4.6 of IEC 61730-1
8731	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive - Robustness of termination test	Cl.No. 5.4.6 of IS/IEC 61730-1
8732	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive- Mechanical load test	Cl.No. 5.4.6 of IEC 61730-1
8733	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive- Peel test	Cl. No.5.4.6 of IEC 61730-1
8734	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connection by adhesive- Robustness of termination test	Cl.No. 5.4.6 of IEC 61730-1
8735	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connections by adhesive- Lap shear strength test	Cl. No.5.4.6 of IS/IEC 61730-1
8736	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connections by adhesive- Lap shear strength test	Cl. No.5.4.6 of IEC 61730-1
8737	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connections - field connections-generals requirements	Cl.No. 7.1 IS/IEC 61730-1
8738	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connectors - Accessibility test	Cl.No.7.3 of IS/IEC 61730-1
8739	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connectors - Resistance to inclusion of water (Ingress protection)	Cl. No.7.3 of IS/IEC 61730-1
8740	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connectors - UV Resistance Test	Cl.No. 7.3 of IS/IEC 61730-1
8741	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Connectors -Steel ball impact test	Cl.No.7.3 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	585 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8742	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Creepage and clearance distance - Creepage & clearances measurements - surface separated gap measurements	Cl. No.9 of IS/IEC 61730-1
8743	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Creepage and clearance distance - Creepage & clearances measurements - surface separated gap measurements	Cl. No.9 of IS/IEC 61730-1
8744	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Creepage and clearance distance -Creepage & clearances measurements - surface separated gap measurements	Cl.No.9 of IS/IEC 61730-1
8745	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Cut susceptibility	Cl. No.5.6.4, 5.6.4.3 of IS/IEC 61730-1
8746	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Cut susceptibility	Cl. No.5.6.4, 5.6.4.3 of IEC 61730-1
8747	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Dielectric Strength test	Cl.No. 5.6.4 of IEC 61730-1
8748	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Dielectric Strength test	Cl.No. 5.6.4 of IS/IEC 61730-1
8749	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	DIMENSIONAL MEASUREMENTS OF POLYMERIC MATERIAL USED AS ELECTRICAL INSULATION	Cl.No.5.5.2.3, 5.5.2.3.1 of IS/IEC 61730-1
8750	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	DIMENSIONAL MEASUREMENTS OF POLYMERIC MATERIAL USED AS ELECTRICAL INSULATION	Cl.No.5.5.2.3, 5.5.2.3.1 of IEC 61730-1
8751	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) - Creepage& Clearance Test	Cl. No. 5.6.4 of IEC 61730-1
8752	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) - Visual inspection	Cl. No. 5.6.4 of IS/IEC 61730-1
8753	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) - Creepage& Clearance Test	Cl. No. 5.6.4 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	586 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8754	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) - Visual inspection	Cl. No. 5.6.4 of IEC 61730-1
8755	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) -Wet leakage test	Cl.No. 5.6.4 of IS/IEC 61730-1
8756	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) Thickness measurement - Dimension measurement of terminals	Cl. No. 5.6.4, 5.6.4.3 of IS/IEC 61730-1
8757	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) -Wet leakage test	Cl.No. 5.6.4 of IEC 61730-1
8758	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through Insulation (dti) Thickness measurement - Dimension measurement of terminals	Cl. No. 5.6.4, 5.6.4.3 of IEC 61730-1
8759	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through insulation(dti) cemented joints	Cl. No. 5.5.2.1 , 5.6.4.2 of IEC 61730-1
8760	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Distance through insulation(dti) cemented joints	Cl. No. 5.5.2.1 , 5.6.4.2 of IS/IEC 61730-1
8761	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections -visual inspection	Cl. No. 5.3.8 of IS/IEC 61730-1
8762	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - accessibility test	Cl. No. 5.3.8 of IS/IEC 61730-1
8763	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - Continuity test of equipotential bonding	Cl. No. 5.3.8 of IS/IEC 61730-1
8764	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - screw connection test	Cl. No. 5.3.8 of IS/IEC 61730-1
8765	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - accessibility test	Cl. No. 5.3.8 of IEC 61730-1
8766	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - Continuity test of equipotential bonding	Cl. No. 5.3.8 of IEC 61730-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 587 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8767	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections - screw connection test	Cl. No. 5.3.8 of IEC 61730-1
8768	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Electrical connections -visual inspection	Cl. No. 5.3.8 of IEC 61730-1
8769	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl. No. 5.5.2.3.2 of IEC 61730-1
8770	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl. No.5.5.2.3.2 of IEC 61730-1
8771	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl.No. 5.5.2.3.2 of IEC 61730-1
8772	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl. No. 5.5.2.3.2 of IS/IEC 61730-1
8773	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl. No.5.5.2.3.2 of IS/IEC 61730-1
8774	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to electrical stress	Cl.No. 5.5.2.3.2 of IS/IEC 61730-1
8775	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to weathering stress	Cl.No. 5.5.2.2 of IEC 61730-1
8776	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Endurance to weathering stress	Cl.No. 5.5.2.2 of IS/IEC 61730-1
8777	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	External wiring and cables	Cl. No. 5.3.3 of IEC 61730-1
8778	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	External wiring and cables	Cl. No. 5.3.3 of IS/IEC 61730-1
8779	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Field wiring terminals - Dimension measurement of terminals	Cl. No.7.2 of IS/IEC 61730-1
8780	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form /press/tight fit - Accessibility tes	Cl.No. 5.4.5 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	588 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8781	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form /press/tight fit - Accessibility test	Cl.No. 5.4.5 of IEC 61730-1
8782	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form /press/tight fit - module breakage test	Cl. No. 5.4.5 of IEC 61730-1
8783	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form /press/tight fit - module breakage test	Cl. No.5.4.5 of IS/IEC 61730-1
8784	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form/ press/tight fit - Continuity test of equipotential bonding	Cl.No. 5.4.5 of IEC 61730-1
8785	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Form/press/tight fit - Continuity of equipotentially bonding test	Cl. No. 5.4.5 of IS/IEC 61730-1
8786	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Ignitibility Test	Cl.No. 5.5.2 of IEC 61730-1
8787	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Ignitibility Test	Cl.No. 5.5.2 of IS/IEC 61730-1
8788	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Impulse Test	Cl.No. 5.5.2 of IEC 61730-1
8789	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Impulse Test	Cl.No. 5.5.2 of IS/IEC 61730-1
8790	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation barrier	Cl. No.5.3.7 of IS/IEC 61730-1
8791	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation barriers	Cl. No.5.3.7 of IEC 61730-1
8792	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Coordination - Creepage& Clearance Test - CTI Test	Cl.No.5.6.3 of IEC 61730-1
8793	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Coordination - Creepage& Clearance Test	Cl.No.5.6.3 of IEC 61730-1
8794	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Coordination - Creepage& Clearance Test	Cl.No.5.6.3 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 589 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8795	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Coordination - Creepage& Clearance Test - CTI Test	Cl.No.5.6.3 of IS/IEC 61730-1
8796	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Cordination - Creepage & clearances measurements - surface separated gap measurements	Cl. No.5.6.3 of IS/IEC 61730-1
8797	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Cordination - Creepage & clearances measurements - surface separated gap measurements	Cl. No.Cl. No.5.6.3 of IEC 61730-1
8798	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Cordination - Creepage & clearances measurements - surface separated gap measurements	Cl.No. 5.6.3 of IS/IEC 61730-1
8799	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Cordination - Creepage & clearances measurements - surface separated gap measurements	Cl.No. 5.6.3 of IEC 61730-1
8800	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Test	Cl.No. 5.6.4 of IS/IEC 61730-1
8801	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Test	Cl.No. 5.6.4 of IEC 61730-1
8802	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Thickness Test	Cl. No.5.6.4 of IS/IEC 61730-1
8803	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Insulation Thickness Test	Cl. No.5.6.4 of IEC 61730-1
8804	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Internal Volume measurement	Cl.No. 10.3 of IS/IEC 61730-1
8805	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Internal Volume measurement	Cl.No. 10.3 of IS/IEC 61730-1
8806	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Internal wiring - Reverse current overload test	Cl. No.5.3.2 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	590 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8807	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Internal wiring - Reverse current overload test	Cl.No.6.1 of IS/IEC 61730-1
8808	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Internal wiring - Reverse current overload test	Cl.No.5.3.2 of IEC 61730-1
8809	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Junction boxes for PV modules	Cl. No.5.3.5 of IEC 61730-1
8810	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Junction boxes for PV modules	Cl. No.5.3.5 of IS/IEC 61730-1
8811	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Lap shear strength test (MST 36)	Cl. No. 5.5.2.1 , 5.6.4.2 of IEC 61730-1
8812	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Lap shear strength test (MST 36)	Cl. No.5.6.4 of IEC 61730-1
8813	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Lap shear strength test (MST 36)	Cl. No. 5.5.2.1 , 5.6.4.2 of IS/IEC 61730-1
8814	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Lap shear strength test (MST 36)	Cl. No.5.6.4 of IS/IEC 61730-1
8815	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Marking and Documentation - Durability and visual inspection of marking test	Cl. No.5.2 of IS/IEC 61730-1
8816	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Marking and Documentation - Durability and visual inspection of marking test	Cl.No. 5.2 IEC 61730-1
8817	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Mechanical and electromechanical connections	Cl. No.5.4 , 5.4.1 of IEC 61730-1
8818	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Mechanical and electromechanical connections	Cl. No.5.4 , 5.4.1 of IS/IEC 61730-1
8819	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Mechanical Securement - Clearance and Creepage distance measurement	Cl. No.6.3 of IS/IEC 61730-1
8820	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Openings - wet leakage test	Cl. No.10.4 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	591 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8821	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Openings - accessibility test	Cl.No. 10.4 of IS/IEC 61730-1
8822	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Other Connections - Continuity of equipotential bonding (MST 13)	Cl.No. 5.4.7 of IEC 61730-1
8823	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Other Connections -Continuity of equipotential bonding (MST 13)	Cl.No. 5.4.7 of IS/IEC 61730-1
8824	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Peel test (MST 35)	Cl. 5.5.4 of IEC 61730-1
8825	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Peel test (MST 35)	Cl. 5.5.4 of IS/IEC 61730-1:
8826	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Peel test (MST 35)	Cl.No. 5.5.2.1 , 5.6.4.2 of IEC 61730-1
8827	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Peel test (MST 35)	Cl.No. 5.5.2.1 , 5.6.4.2 of IS/IEC 61730-1
8828	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric insulating materials used as external parts and Polymeric insulating parts supporting live parts	Cl. No.5.5.2.3.4 , 5.5.2.3.5 of IS/IEC 61730-1
8829	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric insulating materials used as external parts and Polymeric insulating parts supporting live parts	Cl. No.5.5.2.3.4 , 5.5.2.3.5 of IEC 61730-1
8830	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Material - Material Creep Test (MST 37)	Cl. No. 5.5.2.1 , 5.6.4.2 of IEC 61730-1
8831	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Material - Material Creep Test (MST 37)	Cl. No. 5.5.2.1 , 5.6.4.2 of IS/IEC 61730-1
8832	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Comparative Tracking Index Test	Cl. 5.5.2.3, 5.5.2.3.1 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	592 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8833	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Comparative Tracking Index Test	Cl. 5.5.2.3, 5.5.2.3.1 of IEC 61730-1
8834	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Flammability rating test	Cl.No.5.5.2.3, 5.5.2.3.1 of IS/IEC 61730-1
8835	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Flammability rating test	Cl.No.5.5.2.3, 5.5.2.3.1 of IEC 61730-1
8836	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Temperature Test	Cl.5.5.2.3, 5.5.2.3.1 of IS/IEC 61730-1
8837	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	polymeric material used as electrical insulation - Temperature Test	Cl.5.5.2.3, 5.5.2.3.1 of IEC 61730-1
8838	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Materials -Thermal Index Test (Temperature Test)	Cl. 5.5.2 of IEC 61730-1
8839	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Materials -Thermal Index Test (Temperature Test)	Cl.No. 5.5.2 of IEC 61730-1
8840	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Materials -Thermal Index Test (Temperature Test)	Cl. No. 5.1 of IS/IEC 61730-1
8841	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymeric Materials -Thermal Index Test (Temperature Test)	Cl.No. 5.1 of IS/IEC 61730-1
8842	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an enclosure for live parts - Flammability rating test	Cl. No. 5.5.2.3 of IEC 61730-1
8843	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an enclosure for live parts - Flammability rating test	Cl.No. 5.2 of IS/IEC 61730-1
8844	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an enclosure for live parts -Hot wire ignition Test	Cl.No.5.2 of IS/IEC 61730-1
8845	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an enclosure for live parts -UV Resistance Test	Cl.No.5.2 of IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	593 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8846	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an outer surface - Thermal Index Test (Temperature Test)	Cl.No.5.4.1 of IS/IEC 61730-1
8847	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an outer surface - Flame Spread Index Test	Cl.No.5.4.2 of IS/IEC 61730-1
8848	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an outer surface - UV Resistance Test	Cl.No.5.4.3 of IS/IEC 61730-1
8849	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an outer surface -Partial Discharge Test	Cl. No.5.4.4 of IS/IEC 61730-1
8850	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving as an outer surface -Thermal Index Test (Temperature Test)	Cl.No.5.4.1 of IS/IEC 61730-1
8851	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving to support live parts - UV Resistance Test	Cl.No.5.3 of IS/IEC 61730-1
8852	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving to support live parts- Comparative Tracking Index Test	Cl. 5.3 of IS/IEC 61730-1
8853	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving to support live parts- Inclined Plane Tracking Test	Cl.No.5.3 of IS/IEC 61730-1
8854	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Polymers serving to support live parts-Flammability rating test	Cl.No.5.3 of IS/IEC 61730-1
8855	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Protection against accessibility to hazardous live parts	Cl.No. 5.6, 5.6.1,5.6.2, 5.6.2.1, 5.6.2.2 & 5.6.2.3 of IEC 61730-1
8856	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Protection against accessibility to hazardous live parts	Cl.No. 5.6, 5.6.1,5.6.2, 5.6.2.1, 5.6.2.2 & 5.6.2.3 of IS/IEC 61730-1
8857	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Robustness of termination test	Cl. No.5.5.4 of IS/IEC 61730-1
8858	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Robustness of termination test	Cl. No.5.5.4 of IEC 61730-1:
8859	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Screw Connections	Cl. No.5.4.2 IEC 61730-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 594 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8860	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Screw Connections	Cl. No.5.4.2 IS/IEC 61730-1
8861	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Strain Relief -Robustness of terminations test	Cl. No.10.6 IS/IEC 61730-1
8862	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Strain Relief -Robustness of terminations test	Cl. No.10.6 IS/IEC 61730-1
8863	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Structural glazing materials - Module Breakage Test	Cl.No. 5.6 of IS/IEC 61730-1
8864	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IEC 61730-1
8865	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IEC 61730-1
8866	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IEC 61730-1
8867	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IS/IEC 61730-1
8868	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IS/IEC 61730-1
8869	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Verification of Encapsulants	Cl.No. 5.3.9 of IS/IEC 61730-1
8870	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl.No. 5.5.2.1 and 5.6.4.2 IS/IEC 61730-1
8871	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl.No. 5.5.2.1 and 5.6.4.2 IEC 61730-1
8872	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Wall thickness measurement	Cl. No.10.2 IS/IEC 61730-1: 2004
8873	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements For Construction	Wet leakage Test	Cl. No.5.6.4 IS/IEC 61730-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	595 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8874	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Lap shear strength test (MST 36)	Cl.No.10.25 of IS/IEC 61730-2
8875	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Accessibility Test (MST 11)	Cl. No.10.9 of IEC 61730-2
8876	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Accessibility Test (MST 11)	Cl. No.10.9 IS/IEC 61730-2
8877	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Bypass Diode Functionality Test (MST 07)	Cl. No.10.8 IEC 61730-2
8878	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Bypass Diode Functionality Test (MST 07)	Cl. No.10.8 IS/IEC 61730-2
8879	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Bypass diode thermal Test (MST 25)	Cl. No.10.19 of IS/IEC 61730-2
8880	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Cold Conditioning Test (MST 55)	Cl. No.10.32 of IEC 61730-2
8881	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Cold Conditioning Test (MST 55)	Cl. No.10.32 IS/IEC 61730-2
8882	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Continuity Test of equipotential bonding (MST 13)	Cl. No.10.11 of IEC 61730-2
8883	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Continuity Test of equipotential bonding (MST 13)	Cl.No.10.11 of IEC 61730-2
8884	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Cut susceptibility Test (MST 12)	Cl. No.10.10 IS/IEC 61730-2
8885	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Cut susceptibility Test (MST 12)	Cl. No.10.10 IEC 61730-2
8886	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Damp-heat test (MST 53)	Cl. No.10.30 of IEC 61730-2
8887	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Damp-heat test (MST 53)	Cl. No.10.30 IS/IEC 61730-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	596 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8888	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Dry Heat Conditioning Test (MST 56)	Cl. No.10.33 of IEC 61730-2
8889	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Dry Heat Conditioning Test (MST 56)	Cl. No.10.33 of IS/IEC 61730-2
8890	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Durability of Markings (MST 05)	Cl. No.10.6 IS/IEC 61730-2
8891	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Fire test (MST 23)	Cl. No.10.17 of IEC 61730-2
8892	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Fire test (MST 23)	Cl. No.10.17 IS/IEC 61730-2
8893	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Hot Spot Endurance Test (MST 22)	Cl. No.10.16 of IS/IEC 61730-2
8894	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Hot Spot Endurance Test (MST 22)	Cl. No.10.16 IS/IEC 61730-2
8895	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Humidity freeze test (MST 52)	Cl. No.10.29 IS/IEC 61730-2
8896	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Ignitability test (MST24)	Cl. No.10.18 IS/IEC 61730-2
8897	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Impulse Voltage Test (MST 14)	Cl. No.10.12 of IEC 61730-2
8898	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Impulse voltage test (MST 14)	Cl. No.10.5 of IS/IEC 61730-2
8899	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Impulse Voltage Test (MST 14)	Cl. No.10.12 IS/IEC 61730-2
8900	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Test (MST 16)	Cl. No. 10.13 of IEC 61730-2
8901	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Test (MST 16)	Cl. No. 10.13 of IS/IEC 61730-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	597 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8902	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Test (MST 16)	Cl. No.10.13 of IEC 61730-2
8903	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Test (MST 16)	Cl. No.10.13 of IS/IEC 61730-2
8904	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Thickness Test (MST 04)	Cl. No.10.5 IEC 61730-2
8905	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Insulation Thickness Test (MST 04)	Cl. No.10.5 IS/IEC 61730-2
8906	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Lap shear strength test (MST 36)	Cl.No.10.25 of IEC 61730-2
8907	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Material Creep Test (MST 37)	Cl. No.10.26 IS/IEC 61730-2
8908	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Maximum Power Determination (MST 03)	Cl.No.10.4 of IS/IEC 61730-2
8909	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Module breakage Test (MST 32)	Cl. No.10.10 of IS/IEC 61730-2
8910	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Module breakage Test (MST 32)	Cl. No.10.21 IS/IEC 61730-2
8911	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Module breakage Test (MST 32)	Cl. No.10.21 of IEC 61730-2
8912	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Peel test (MST 35)	Cl.No.10.24 of IEC 61730-2
8913	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Performance at STC (MST 02)	Cl. No.10.3 of IEC 61730-2
8914	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Performance at STC (MST 02)	Cl. No.10.3 of IEC 61730-2
8915	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Performance at STC (MST 02)	Cl. No.10.3 of IS/IEC 61730-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 598 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8916	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Performance at STC (MST 02)	Cl. No.10.3 of IS/IEC 61730-2
8917	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Reverse current overload Test (MST 26)	Cl. No.10.20 of IEC 61730-2
8918	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Reverse current overload Test (MST 26)	Cl. No.10.9 of IS/IEC 61730-2
8919	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Reverse current overload Test (MST 26)	Cl. No.10.20 IS/IEC 61730-2
8920	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Robustness of terminations test (MST 42)	Cl. No.10.27 of IEC 61730-2
8921	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Robustness of terminations test (MST 42)	Cl. No.10.27 of IS/IEC 61730-2
8922	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Robustness of terminations test (MST 42)	Cl. No.10.27 of IEC 61730-2
8923	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Robustness of terminations test (MST 42)	Cl. No.10.27 IS/IEC 61730-2
8924	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Screw connection Test (MST 33) - Test for General Connections (MST 33a) - Test for Locking Screw (MST 33b)	Cl. No.10.22 of IEC 61730-2
8925	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Screw connection Test (MST 33) - Test for General Connections (MST 33a) - Test for Locking Screw (MST 33b)	Cl. No.10.22 IS/IEC 61730-2
8926	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Sharp Edge Test (MST 06)	Cl. No.10.7 IEC 61730-2
8927	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Sharp Edge Test (MST 06)	Cl. No.10.7 IS/IEC 61730-2
8928	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Static mechanical load test (MST 34)	Cl. No.10.23 IS/IEC 61730-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	599 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8929	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Temperature test (MST 21) outdoor method and solar simulator method	Cl. 10.15 of IEC 61730-2
8930	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Temperature test (MST 21) outdoor method and solar simulator method	Cl. 10.15 of IS/IEC 61730-2
8931	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Temperature test (MST 21) outdoor method and solar simulator method	Cl. 10.7 of IS/IEC 61730-2
8932	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Terminal box knockout test (MST 44)	Cl. No.11.3 of IS/IEC 61730-2
8933	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Thermal cycling test (MST 51)	Cl. No.10.28 IEC 61730-2
8934	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Thermal cycling test (MST 51)	Cl. No.10.28 IS/IEC 61730-2
8935	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	UV test (MST 54)	Cl. No.10.31 of IS/IEC 61730-2
8936	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	UV test (MST 54)	Cl. No.10.31 of IEC 61730-2
8937	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Visual Inspection (MST 01)	Cl. No. 10.2 of IEC 61730-2
8938	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Wet Leakage current Test (MST 17)	Cl. No.10.14 IEC 61730-2
8939	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements For Testing	Wet Leakage current Test (MST 17)	Cl. No.10.14 IS/IEC 61730-2
8940	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Modules - Test Methods for The Detection of Potential - Induced Degradation. Part 1 : Crystalline Silicon	Test methods for the detection of potential - induced degradation	IEC TS 62804-1
8941	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Modules - Test Methods for The Detection of Potential - Induced Degradation. Part 1: Crystalline Silicon	Test methods for the detection of potential -induced degradation	IS 17210 (Part 1)
8942	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules-Accessibility test	Cl. No. 4.2, 4.2.6, 4.2.14 of IEC TS 62915

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 600 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8943	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Bypass diode thermal test	Cl. No. 4.2, 4.2.6, 4.2.7, 4.2.8, 4.2.12 of IEC TS 62915
8944	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Continuity Test of equipotential bonding	Cl. No. 4.2, 4.2.10, 4.2.13, 4.2.14 of IEC TS 62915
8945	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Continuity Test of equipotential bonding	Cl. No. 4.2, 4.2.10, 4.2.13, 4.2.14 of IEC TS 62915
8946	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Cut susceptibility Test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.14 of IEC TS 62915
8947	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Damp heat test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.9, 4.2.10, 4.2.11, 4.2.14 of IEC TS 62915
8948	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Hail test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.10, 4.2.11 of IEC TS 62915
8949	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Hot-spot endurance test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.8, 4.2.12, 4.2.14 of IEC TS 62915
8950	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Humidity freeze test	Cl. No. 4.2, 4.2.1, 4.2.5, 4.2.6, 4.2.9, 4.2.10, 4.2.14, 4.2.15 of IEC TS 62915
8951	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Ignitability test	Cl. No. 4.2, 4.2.1, 4.2.5, 4.2.6, 4.2.9, 4.2.10 of IEC TS 62915
8952	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Impulse voltage test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.9, 4.2.14 of IEC TS 62915
8953	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Insulation thickness test	Cl. No. 4.2, 4.2.1, 4.2.5, 4.2.8, 4.2.14 of IEC TS 62915
8954	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Lap shear strength test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.6, 4.2.9, 4.2.14 of IEC TS 62915
8955	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Material Creep test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.6, 4.2.10 of IEC TS 62915

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	601 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8956	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Module breakage test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.10, 4.2.11 of IEC TS 62915
8957	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Peel test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.6, 4.2.9, 4.2.14 of IEC TS 62915
8958	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Reverse current overload Test	Cl. No. 4.2, 4.2.3, 4.2.4, 4.2.6, 4.2.7, 4.2.8, 4.2.12, 4.2.13 of IEC TS 62915
8959	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Robustness of terminations tests (Retention of junction box)	Cl. No. 4.2, 4.2.1, 4.2.5, 4.2.6 of IEC TS 62915
8960	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Screw connection Test	Cl. No. 4.2, 4.2.6, 4.2.10 of IEC TS 62915
8961	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Static mechanical load test	Cl. No. 4.2, 4.2.1, 4.2.3, 4.2.5, 4.2.10, 4.2.11 of IEC TS 62915
8962	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Temperature test	Cl. No. 4.2, 4.2.1, 4.2.3, 4.2.5, 4.2.6 of IEC TS 62915
8963	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Thermal cycling test 200 cycles	Cl. No. 4.2, 4.2.3, 4.2.4, 4.2.6, 4.2.7, 4.2.8, 4.2.10, 4.2.11, 4.2.12, 4.2.14 of IEC TS 62915
8964	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- Thermal cycling test 50 cycles	Cl. No. 4.2, 4.2.1, 4.2.5, 4.2.6, 4.2.9, 4.2.10, 4.2.14 of IEC TS 62915
8965	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for crystalline silicon PV modules- UV preconditioning test	Cl. No. 4.2, 4.2.1, 4.2.2, 4.2.5, 4.2.6, 4.2.9, 4.2.10, 4.2.14 of IEC TS 62915
8966	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Accessibility test	Cl. No. 4.3, 4.3.10, 4.3.17 of IEC TS 62915
8967	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Bypass diode thermal test	Cl. No. 4.3, 4.3.5, 4.3.10, 4.3.11, 4.3.15 of IEC TS 62915
8968	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Continuity Test of equipotential bonding	Cl. No. 4.3, 4.3.13, 4.3.16, 4.3.17 of IEC TS 62915

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	602 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8969	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Continuity Test of equipotential bonding	Cl. No. 4.3, 4.3.13, 4.3.16, 4.3.17 of IEC TS 62915
8970	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Cut susceptibility test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.9, 4.3.17 of IEC TS 62915
8971	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Damp-heat test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.6, 4.3.7, 4.3.8, 4.3.9, 4.3.10, 4.3.12, 4.3.13, 4.3.14, 4.3.17 of IEC TS 62915
8972	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Hail test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.9, 4.3.13, 4.3.14 of IEC TS 62915
8973	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Hot-spot endurance test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.9, 4.3.15, 4.3.17 of IEC TS 62915
8974	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Humidity freeze test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.6, 4.3.7, 4.3.9, 4.3.10, 4.3.12, 4.3.13, 4.3.17 of IEC TS 62915
8975	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Ignitability test	Cl. No. 4.3, 4.3.1, 4.3.9, 4.3.10, 4.3.12, 4.3.13 of IEC TS 62915
8976	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Impulse Voltage test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.6, 4.3.7, 4.3.9, 4.3.12, 4.3.17 of IEC TS 62915
8977	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Insulation Thickness test	Cl. No. 4.3, 4.3.1, 4.3.9, 4.3.17 of IEC TS 62915
8978	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Lap shear strength test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.7, 4.3.9, 4.3.10, 4.3.12, 4.3.17 of IEC TS 62915
8979	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Material Creep test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.9, 4.3.10, 4.3.13 of IEC TS 62915
8980	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Module breakage test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.9, 4.3.13, 4.3.14 of IEC TS 62915
8981	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Peel test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.7, 4.3.9, 4.3.10, 4.3.12, 4.3.17 of IEC TS 62915

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	603 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8982	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Performance at STC test	Cl. No. 4.3, 4.3.15 of IEC TS 62915
8983	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Reverse current overload test	Cl. No. 4.3, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.8, 4.3.10, 4.3.11, 4.3.14, 4.3.15, 4.3.16 of IEC TS 62915
8984	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Robustness of terminations tests (Retention of junction box)	Cl. No. 4.3, 4.3.1, 4.3.9, 4.3.10 of IEC TS 62915
8985	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Screw connection Test	Cl. No. 4.3, 4.3.10, 4.3.13 of IEC TS 62915
8986	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Static mechanical load test	Cl. No. 4.3, 4.3.1, 4.3.9, 4.3.13, 4.3.14 of IEC TS 62915
8987	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Temperature test	Cl. No. 4.3, 4.3.1, 4.3.4, 4.3.9, 4.3.10 of IEC TS 62915
8988	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Thermal cycling test 200 cycles	Cl. No. 4.3, 4.3.8, 4.3.10, 4.3.11, 4.3.13, 4.3.14, 4.3.15, 4.3.17 of IEC TS 62915
8989	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- Thermal cycling test 50 cycles	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.6, 4.3.7, 4.3.9, 4.3.10, 4.3.12, 4.3.13, 4.3.17 of IEC TS 62915
8990	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) modules- Type approval, design and safety qualification- Retesting	Test programs for thin-film PV modules- UV preconditioning test	Cl. No. 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.9, 4.3.10, 4.3.12, 4.3.13, 4.3.17 of IEC TS 62915
8991	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	DC injection	Cl. No. 4.4 IS/IEC 61727
8992	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Earthing, short circuit protection and isolation and switching	Cl. 5.5, 5.6 and 5.7 IS/IEC 61727
8993	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Flicker	Cl. 4.3 IS/IEC 61727
8994	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Islanding protection	Cl. 5.3 IS/IEC 61727

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	604 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
8995	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Normal frequency operating range	Cl.No. 4.5 IS/IEC 61727
8996	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Over/under voltage and frequency	Cl.No. 5.2 IS/IEC 61727
8997	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Personal safety and equipment protection and loss of utility	Cl. no. 5 & 5.1 of IS/IEC 61727
8998	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Power factor	Cl.No. 4.7 IS/IEC 61727
8999	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) systems - Characteristics of the utility interface	Utility compatibility, Voltage current and frequency and normal voltage operating range	Cl.No.4, 4.1 and 4.2 IS/IEC 61727
9000	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic (PV) Systems-Characteristics of the utility interface	Harmonic and waveform distortion	Cl no. 4.6 of IS/IEC 61727
9001	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system	Documentation	Cl.No.6.5 IEC 62253
9002	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	H-Q characterization	Cl.No.5.3.3 IEC 62253
9003	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	H-Q characterization	Cl.No.5.3.3 IEC 62253
9004	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	H-Q characterization	Cl.No.5.3.3 IEC 62253
9005	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	P-Q characterization	Cl.No.5.3.2 IEC 62253
9006	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	P-Q characterization	Cl.No.5.3.2 IEC 62253
9007	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	P-Q characterization	Cl.No.5.3.2 IEC 62253

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	605 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9008	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	Start –up power measurements	Cl.No.5.3.4 IEC 62253
9009	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	Start –up power measurements	Cl.No.5.3.4 IEC 62253
9010	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic pumping system-Design qualification & performance measurement	Start –up power measurements	Cl.No.5.3.4 IEC 62253
9011	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic systems - Power conditioners	Efficiency Calculation and Efficiency Test Circuits	Cl.No.5,6 IS/IEC 61683
9012	ELECTRONICS-MISCELLANEOUS PRODUCTS	Photovoltaic systems - Power conditioners	Loss measurement	Cl.No.7 IS/IEC 61683
9013	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Accessibility test on Appliance Inlet	Cl.No.13.3.2.3 of IEC 62109-1
9014	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Backfeed current test for equipment with more than one source of supply	Cl. No.4.4.4.6 of IEC 62109-1
9015	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Batteries (Ventilation testing, Battery Mounting test)	Cl.No. 14.8 of IEC 62109-1
9016	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Batteries (Ventilation testing, Battery Mounting test)	Cl.No. 14.8 of IS 16221(Part 1)
9017	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Chemical hazards	Cl.No. 12 of IEC 62109-1
9018	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Circuits or components used as transient over-voltage limiting devices	Cl.No. 14.7 of IEC 62109-1
9019	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Coating	Cl.No. 7.3.7.6 of IS IEC 62109-1
9020	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Components & General	Cl.No. 14 & 14.1 of IEC 62109-1
9021	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Connection to an a.c. mains supply	Cl.No.13.3.2 & 13.3.2.1 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	606 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9022	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Content for warning markings & Ungrounded heatsinks and similar parts	Cl.No.5.2.2 & Cl. 5.2.2.1 of IEC 62109-1
9023	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Cord anchorages and strain relief	Cl.No. 13.3.2.5 of IEC 62109-1
9024	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Decisive voltage to Short-terms limits of accessible voltages under fault conditions	Cl.No. 7.3.2 to 7.3.2.3 of IEC 62109-1
9025	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Direct plug-in Torque Test	Cl.No. 13.3.8 IEC 62109-1
9026	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Documentation	Cl.No.5.3 of IEC 62109-1
9027	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Durability of markings	Cl. No.5.1.2 of IEC 62109-1
9028	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Electrical rating tests	Cl.No.4.7 of IEC 62109-1
9029	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Electrical rating tests	Cl.No.4.7 of IEC 62109-1
9030	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Environmental categories and minimum environmental conditions	Cl.No. 6, 6.1 of IEC 62109-1
9031	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Equipment with multiple sources of supply	Cl.No.7.5.5 of IEC 62109-1
9032	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Equipment with multiple sources of supply	Cl.No.7.5.5 of IEC 62109-1
9033	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convectors for use in photovoltaic power systems	Expelled parts	Cl.No.8.6 of IEC 62109-1
9034	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Access probe tests & Service access areas	Cl.No.7.3.4.2.3, Cl.7.3.4.2.4 of IS 16221(Part 1)
9035	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Adjustable controls	Cl.No. 13.1.1 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	607 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9036	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Fault condition	Cl. No.7.2 of IEC 62109-1
9037	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Functional insulation	Cl. No. 7.3.7.3 of IEC 62109-1
9038	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Fuse holder	Cl.No.14.4 of IEC 62109-1
9039	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Humidity preconditioning	Cl. No.4.5 of IEC 62109-1
9040	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Impulse voltage test	Cl. No. 7.5.1 of IEC 62109-1
9041	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Ingress Protection	Cl. No. 6.3 of IEC 62109-1
9042	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Insulation between live parts and accessible conductive parts	Cl. No. 7.3.6.2 of IEC 62109-1
9043	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Insulation between live parts and accessible conductive parts	Cl.No. 7.3.6.2 of IEC 62109-1
9044	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Insulation Including Clearance and Creepage Distance & General	Cl.No.7.3.7 & 7.3.7.1 of IEC 62109-1
9045	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Insulation Including Clearance and Creepage Distance & General	Cl.No.7.3.7 & 7.3.7.1 of IEC 62109-1
9046	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Insulation voltages	Cl. No. 7.3.7.1.4 of IEC 62109-1
9047	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Internal wiring and connections	Cl. No.13.4 of IEC 62109-1
9048	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Limitation of current through protective impedance	Cl.No. 7.3.5.3.1 of IEC 62109-1
9049	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Limitation of discharging energy through protective impedance	Cl.No.7.3.5.3.2 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	608 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9050	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Limitation of discharging energy through protective impedance	Cl.No.7.3.5.3.2 of IS IEC 62109-1
9051	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Limited power source	Cl.No.9.2 of IEC 62109-1
9052	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Mains supply, Supply ports other than the mains & Photovoltaic supply sources	Cl. No. 4.2.2.6, Cl. 4.2.2.7 & Cl. 4.2.2.7.1 of IEC 62109-1
9053	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Mains voltage selecting devices	Cl.No. 14.5 of IEC 62109-1
9054	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems	Marking and Documentation	Cl.No. 5 of IEC 62109-1
9055	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	30 mA touch current type test for isolated inverters	Cl.No. 4.8.3.2 of IEC 62109-2
9056	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Array insulation resistance detection for inverters for underground and functionally grounded arrays	Cl.No. 4.8.2 of IEC 62109-2
9057	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Array insulation resistance detection for inverters for ungrounded and functionally grounded arrays	Cl.No. 4.8.2 of IS 16221(Part 2)
9058	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Cooling system failure-Blanketing test	Cl.No. 4.4.4.17 of IEC 62109-2: 2011
9059	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Cooling system failure-Blanketing test	Cl.No. 4.4.4.17 of IS 16221(Part 2)
9060	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Electrical rating tests	Cl.No. 4.7, 4.7.3, 4.7.4, 4.7.4.1, 4.7.4.2, 4.7.4.3, 4.7.4.4,4.7.4.4, 4.7.4.5, 4.7.5 of IEC 62109-2
9061	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Electrical rating tests	Cl.No. 4.7, 4.7.3, 4.7.4, 4.7.4.1, 4.7.4.2, 4.7.4.3, 4.7.4.4,4.7.4.4, 4.7.4.5, 4.7.5 of IS 16221(Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	609 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9062	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fault indication	Cl.No. 13.9 of IEC 62109-2
9063	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fault indication	Cl.No. 13.9 of IS 16221(Part 2): 2015
9064	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fault –tolerance of protection for grid-interactive inverters & Fault –tolerance of residual current monitoring	Cl. No.4.4.4.15, 4.4.4.15.1 of IEC 62109-2
9065	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fault –tolerance of protection for grid-interactive inverters & Fault –tolerance of residual current monitoring	Cl. No.4.4.4.15, 4.4.4.15.1 of IS 16221(Part 2)
9066	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fire hazard residual current type test for isolated inverters	Cl.No. 4.8.3.3 of IEC 62109-2
9067	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Fire hazard residual current type test for isolated inverters	Cl.No. 4.8.3.3 of IS 16221(Part 2)
9068	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Functionally grounded array	Cl. No. 7.3.11 of IEC 62109-2
9069	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Functionally grounded array	Cl. No. 7.3.11 of IS 16221(Part 2)
9070	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Inverter Backfeed current onto the array	Cl.No. 9.3.4 of IEC 62109-2
9071	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Inverter Backfeed current onto the array	Cl.No. 9.3.4 of IS 16221(Part 2)
9072	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Non-sinusoidal output voltage waveform requirements	Cl.No. 4.7.5.3 of IEC 62109-2
9073	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Non-sinusoidal output voltage waveform requirements	Cl.No. 4.7.5.3 of IS 16221(Part 2)
9074	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Output voltage waveform requirements for inverters for dedicated loads	Cl.No.4.7.5.5 of IS 16221(Part 2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	610 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9075	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Output voltage waveform requirements for inverters for dedicated loads	Cl.No.4.7.5.5 of IEC 62109-2
9076	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Protection by application of RCDs	Cl.No. 4.8.3.4 of IEC 62109-2
9077	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Protection by application of RCDs	Cl.No. 4.8.3.4 of IS 16221(Part 2)
9078	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Protection by residual current monitoring, Tests for detection of excessive continuous residual current	Cl. No. 4.8.3.5,4.8.3.5.1 & 4.8.3.5.2 of IEC 62109-2
9079	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Protection by residual current monitoring, Tests for detection of excessive continuous residual current	Cl. No. 4.8.3.5,4.8.3.5.1 & 4.8.3.5.2 of IS 16221(Part 2)
9080	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Sinusoidal output voltage waveform requirements	Cl. No. 4.7.5.2 of IEC 62109-2
9081	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Sinusoidal output voltage waveform requirements	Cl. No. 4.7.5.2 of IS 16221(Part 2)
9082	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Stand-alone inverters-load transfer test	Cl No..4.4.4.16 of IEC 62109-2
9083	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Inverters	Stand-alone inverters-load transfer test	Cl No..4.4.4.16 of IS 16221(Part 2)
9084	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power converters for use in photovoltaic power systems: Particular requirements for inverters	30 mA touch current type test for isolated inverters	Cl.No. 4.8.3.2 of IS 16221(Part 2)
9085	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	' Printed wiring boards (PWBs)	Cl. No. 7.3.7.8.4 of IS 16221(Part 1):2016
9086	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Access probe tests & Service access areas	Cl.No.7.3.4.2.3, Cl.7.3.4.2.4 of IEC 62109-1
9087	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Access probe tests & Service access areas	Cl.No.7.3.4.2.3, Cl.7.3.4.2.4 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	611 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9088	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Access probe tests & Service access areas	Cl.No.7.3.4.2.3, Cl.7.3.4.2.4 of IS 16221(Part 1)
9089	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Accessibility test on Appliance Inlet	Cl.No.13.3.2.3 of IS 16221(Part 1)
9090	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Adjustable controls	Cl.No. 13.1.1 of IS 16221(Part 1)
9091	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Backfeed current test for equipment with more than one source of supply	Cl. No.4.4.4.6 of IS 16221(Part 1)
9092	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Batteries (Ventilation testing, Battery Mounting test)	Cl.No. 14.8 of IS 16221(Part 1)
9093	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Batteries (Ventilation testing, Battery Mounting test)	Cl.No. 14.8 of IEC 62109-1:
9094	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Chemical hazards	Cl.No. 12 of IS 16221(Part 1):
9095	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Circuits or components used as transient overvoltage limiting devices	Cl.No. 14.7 of IS 16221(Part 1)
9096	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Coating	Cl.No. 7.3.7.6 of IS 16221(Part 1)
9097	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Components & General	Cl.No. 14 & 14.1 of IS 16221 (Part 1)
9098	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Conditions of loading for output ports	Cl.No. 4.2.2.8 of IS 16221(Part 1)
9099	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Connection to an a.c. mains supply	Cl.No.13.3.2 & 13.3.2.1 of IS 16221(Part 1)
9100	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Content for warning markings & Ungrounded heatsinks and similar parts	Cl.No.5.2.2 & Cl. 5.2.2.1 of IS 16221(Part 1)
9101	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Cord anchorages and strain relief	Cl.No. 13.3.2.5 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	612 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9102	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Decisive voltage to Short-terms limits of accessible voltages under fault conditions	Cl.No. 7.3.2 to 7.3.2.3 of IS 16221(Part 1)
9103	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Decisive voltage to Short-terms limits of accessible voltages under fault conditions	Cl.No. 7.3.2 to 7.3.2.3 of IS 16221(Part 1)
9104	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Direct plug-in Torque Test	Cl.No. 13.3.8 of IS 16221(Part 1)
9105	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Documentation	Cl.No.5.3 of IS 16221(Part 1)
9106	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Durability of markings	Cl. No.5.1.2 of IS 16221(Part 1)
9107	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Electrical rating tests	Cl.No.4.7 of IS 16221(Part 1)
9108	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Electrical rating tests	Cl.No.4.7 of IS 16221(Part 1)
9109	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Environmental categories and minimum environmental conditions	Cl.No. 6, 6.1 of IS 16221(Part 1)
9110	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Equipment with multiple sources of supply	Cl.No.7.5.5 of IS 16221(Part 1)
9111	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Equipment with multiple sources of supply	Cl.No.7.5.5 of IS 16221(Part 1)
9112	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Expelled parts	Cl.No.8.6 of IS 16221(Part 1)
9113	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Fault condition	Cl. No.7.2 of IS 16221(Part 1)
9114	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Functional insulation	Cl. No. 7.3.7.3 of IS 16221(Part 1)
9115	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Fuse holder	Cl.No.14.4 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	613 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9116	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Humidity preconditioning	Cl. No.4.5 of IS 16221(Part 1)
9117	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Impulse voltage test	Cl. No. 7.5.1 of IS 16221(Part 1)
9118	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Ingress Protection	Cl. No. 6.3 of IS 16221(Part 1)
9119	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Insulation between live parts and accessible conductive parts	Cl. No. 7.3.6.2 of IS 16221(Part 1)
9120	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Insulation between live parts and accessible conductive parts	Cl.No. 7.3.6.2 of IS 16221(Part 1)
9121	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Insulation Including Clearance and Creepage Distance & General	Cl.No.7.3.7 & 7.3.7.1 of IS 16221(Part 1)
9122	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Insulation Including Clearance and Creepage Distance & General	Cl.No.7.3.7 & 7.3.7.1 of IS 16221(Part 1)
9123	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Insulation voltages	Cl. No. 7.3.7.1.4 of IS 16221(Part 1)
9124	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Internal wiring and connections	Cl. No.13.4 of IS 16221(Part 1)
9125	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Limitation of current through protective impedance	Cl.No. 7.3.5.3.1 of IS 16221(Part 1)
9126	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Limitation of discharging energy through protective impedance	Cl.No.7.3.5.3.2 of IS 16221(Part 1)
9127	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Limitation of discharging energy through protective impedance	Cl.No.7.3.5.3.2 of IS 16221(Part 1)
9128	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Limited power source	Cl.No.9.2 of IS 16221(Part 1)
9129	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Mains supply, Supply ports other than the mains & Photovoltaic supply sources	Cl. No. 4.2.2.6, Cl. 4.2.2.7 & Cl. 4.2.2.7.1 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	614 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9130	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Mains voltage selecting devices	Cl.No. 14.5 of IS 16221(Part 1)
9131	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Marking and Documentation	Cl.No. 5 of IS 16221(Part 1)
9132	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Means of connection for the external protective earthing conductor	Cl.No. 7.3.6.3.6 of IEC 62109-1
9133	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Means of connection for the external protective earthing conductor	Cl.No. 7.3.6.3.6 of IS 16221(Part 1)
9134	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Mechanical resistance to deflection, impact, or drop	Cl. No.13.7 of IEC 62109-1
9135	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Mechanical resistance to deflection, impact, or drop	Cl. No.13.7 of IS 16221(Part 1)
9136	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Opening in enclosures	Cl. No.13.5 of IEC 62109-1
9137	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Opening in enclosures	Cl. No.13.5 of IS 16221(Part 1)
9138	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Operator access areas	Cl. No.7.4.2 of IS 16221(Part 1)
9139	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Operator access areas	Cl. No.7.4.2 of IEC 62109-1
9140	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Over temperature protection devices	Cl.No. 14.3 of IEC 62109-1
9141	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Over temperature protection devices	Cl.No. 14.3 of IS 16221(Part 1)
9142	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Partial discharge test	Cl. No.7.5.3 of IEC 62109-1
9143	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Partial discharge test	Cl. No.7.5.3 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	615 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9144	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Permanently connected equipment	Cl.No.13.3.2.2 of IEC 62109-1
9145	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Permanently connected equipment	Cl.No.13.3.2.2 of IS 16221(Part 1)
9146	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Physical Requirements & Handles and manual controls	Cl.No.13, Cl.13.1 of IS 16221(Part 1)
9147	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Physical Requirements & Handles and manual controls	Cl.No.13, Cl.13.1 of IEC 62109-1
9148	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Pollution degree	Cl. No. 6.2 of IEC 62109-1
9149	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Pollution degree	Cl. No. 6.2 of IS 16221(Part 1)
9150	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Polymeric materials	Cl.No.13.6.1.1 of IEC 62109-1
9151	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Polymeric materials	Cl.No.13.6.1.1 of IS 16221(Part 1)
9152	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Polymers serving as solid insulation	Cl.No.13.6.3 of IEC 62109-1
9153	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Polymers serving as solid insulation	Cl.No.13.6.3 of IS 16221(Part 1)
9154	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Power supply cord , Protection against mechanical damage	Cl.No.13.3.2.4, 13.3.2.6 of IEC 62109-1
9155	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Power supply cord, Protection against mechanical damage	Cl.No.13.3.2.4, 13.3.2.6 of IS 16221(Part 1)
9156	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Printed wiring boards	Cl. No.14.6 of IEC 62109-1
9157	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Printed wiring boards	Cl. No.14.6 of IS 16221 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	616 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9158	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Printed wiring boards (PWBs)	Cl. No. 7.3.7.8.4 of IEC 62109-1:2010
9159	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against direct contact, General & Protection by means of enclosures and barriers	Cl. No.7.3.4, 7.3.4.1 & 7.3.4.2 of IEC 62109-1
9160	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against direct contact, General & Protection by means of enclosures and barriers	Cl. No.7.3.4, 7.3.4.1 & 7.3.4.2 of IS 16221(Part 1)
9161	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against electric shock	Cl. No.7.3 & 7.3.1 of IEC 62109-1
9162	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against electric shock & General	Cl. No.7.3 & 7.3.1 of IS 16221(Part 1)
9163	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against electric shock &General	Cl. No.7.3 & 7.3.1 of IEC 62109-1
9164	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against electric shock &General	Cl. No.7.3 & 7.3.1 of IS 16221(Part 1)
9165	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against electric Shock and Energy Hazards	Cl. No. 7, 7.1 of IEC 62109-1
9166	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against energy hazards & Determination of hazardous energy level	Cl.No.7.4 & 7.4.1 of IEC 62109-1
9167	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against energy hazards & Determination of hazardous energy level	Cl.No.7.4 & 7.4.1 of IS 16221(Part 1)
9168	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Fire Hazards	Cl.No. 9 of IEC 62109-1
9169	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Fire Hazards	Cl.No. 9 of IS 16221(Part 1)
9170	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against indirect contact	Cl. No.7.3.6 & 7.3.6.1 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	617 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9171	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against indirect contact	Cl.No. 7.3.6 & 7.3.6.1 of IEC 62109-1
9172	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against indirect contact	Cl. No.7.3.6 & 7.3.6.1 of IS 16221(Part 1)
9173	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against indirect contact	Cl.No. 7.3.6 & 7.3.6.1 of IS 16221(Part 1)
9174	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Liquid Hazards	Cl. No.11 of IEC 62109-1
9175	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Liquid Hazards	Cl. No.11 of IS 16221(Part 1)
9176	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against mechanical Hazards & moving parts	Cl. No. 8, Cl. 8.2 of IEC 62109-1
9177	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against mechanical Hazards & moving parts	Cl. No. 8, Cl. 8.2 of IS 16221(Part 1)
9178	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against shock hazard due to stored energy & Operator access area	Cl. No. 7.3.9 & 7.3.9.1 of IEC 62109-1
9179	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection against shock hazard due to stored energy & Operator access area	Cl. No. 7.3.9 & 7.3.9.1 of IS 16221(Part 1)
9180	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Sonic Pressure Hazards	Cl.No.10 of IS 16221(Part 1)
9181	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection Against Sonic Pressure Hazards	Cl.No.10 of IEC 62109-1
9182	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection agaisnt electric Shock and Energy Hazards	Cl. No. 7 , 7.1 of IS 16221(Part 1)
9183	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of insulation of live parts	Cl. No.7.3.4.3 of IEC 62109-1
9184	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of insulation of live parts	Cl.No.7.3.4.3 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	618 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9185	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of insulation of live parts	Cl.No.7.3.4.3 of IS 16221(Part 1)
9186	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of insulation of live parts	Cl. No.7.3.4.3 of IS 16221(Part 1)
9187	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of limited voltage	Cl.No.7.3.5.4 of IEC 62109-1
9188	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection by means of limited voltage	Cl.No.7.3.5.4 of IS 16221(Part 1)
9189	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IS 16221(Part 1)
9190	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IS 16221(Part 1)
9191	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IS 16221(Part 1)
9192	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IEC 62109-1
9193	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IEC 62109-1
9194	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protection in case of direct contact to Protection using decisive voltage class A	Cl.No.7.3.5, 7.3.5.1 & 7.3.5.2 of IEC 62109-1
9195	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective bonding impedance (Routine test)	Cl. No. 7.3.6.3.4 of IEC 62109-1
9196	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective bonding impedance (Routine test)	Cl.No. 7.3.6.3.4 of IEC 62109-1
9197	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective bonding impedance (Routine test)	Cl. No. 7.3.6.3.4 of IS 16221(Part 1)
9198	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective bonding impedance (Routine test)	Cl.No. 7.3.6.3.4 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	619 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9199	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective class I- Protective bonding and earthing, General & Requirements for protective bonding	Cl. No. 7.3.6.3, 7.3.6.3.1 & 7.3.6.3.2 of IEC 62109-1
9200	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective class I- Protective bonding and earthing, General & Requirements for protective bonding	Cl. No. 7.3.6.3, 7.3.6.3.1 & 7.3.6.3.2 of IS 16221(Part 1)
9201	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II - Double or Reinforced Insulation	Cl. No.7.3.6.4 of IEC 62109-1
9202	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II - Double or Reinforced Insulation	Cl.No.7.3.6.4 of IS 16221(Part 1)
9203	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II - Double or Reinforced Insulation	Cl.No.7.3.6.4 of IEC 62109-1
9204	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II – Double or Reinforced Insulation	Cl. No.7.3.6.4 of IS 16221(Part 1)
9205	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II – Double or Reinforced Insulation	Cl. No.7.3.6.4 of IS 16221(Part 1)
9206	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective Class II – Double or Reinforced Insulation	Cl.No.7.3.6.4 of IEC 62109-1
9207	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl. No.7.3.3 of IEC 62109-1
9208	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl.No. 7.3.3 IEC 62109-1
9209	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl.No. 7.3.3 of IEC 62109-1
9210	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl.No. 7.3.3 of IS 16221(Part 1)
9211	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl. No.7.3.3 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	620 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9212	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Protective separation	Cl.No. 7.3.3 of IS 16221(Part 1)
9213	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Provisions for external connections	Cl. No.13.3 of IEC 62109-1
9214	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Provisions for external connections	Cl. No.13.3 of IS 16221(Part 1)
9215	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Provisions for lifting and carrying	Cl. No.8.4 of IEC 62109-1
9216	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Provisions for lifting and carrying	Cl. No.8.4 of IS 16221(Part 1)
9217	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	PWB spacing’s for functional insulation	Cl. No. 7.3.7.7 of IEC 62109-1
9218	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	PWB spacing’s for functional insulation	Cl. No. 7.3.7.7 of IS 16221(Part 1)
9219	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Rating of protective bonding & Test current, duration, and acceptance criteria	Cl. No.7.3.6.3.3 & Cl. 7.3.6.3.3.1 of IS 16221(Part 1)
9220	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Rating of protective bonding & Test current, duration, and acceptance criteria	Cl. No.7.3.6.3.3 & Cl. 7.3.6.3.3.1 of IEC 62109-1
9221	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Residual Current-operated protective (RCD) or monitoring (RCM) device compatibility	Cl. No.7.3.8 of IEC 62109-1
9222	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Residual Current-operated protective (RCD) or monitoring (RCM) device compatibility	Cl. No.7.3.8 of IS 16221(Part 1)
9223	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Resistance to arcing	Cl. No.13.6.3.1 of IEC 62109-1
9224	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Resistance to arcing	Cl. No.13.6.3.1 of IS 16221(Part 1)
9225	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Securing parts	Cl. No.13 .2 of IEC 62109-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	621 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9226	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Securing parts	Cl. No.13 .2 of IS 16221(Part 1)
9227	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl. No.7.4.3 of IEC 62109-1
9228	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl. No.7.4.3 of IEC 62109-1
9229	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl.No. 7.3.9.2 of IEC 62109-1
9230	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl.No. 7.3.9.2 of IEC 62109-1
9231	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl. No.7.4.3 of IS 16221(Part 1)
9232	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl. No.7.4.3 of IS 16221(Part 1)
9233	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl.No. 7.3.9.2 of IS 16221(Part 1)
9234	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Service access area	Cl.No. 7.3.9.2 of IS 16221(Part 1)
9235	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Short-circuit and over current protection	Cl. No.9.3 of IEC 62109-1
9236	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Short-circuit and over current protection	Cl. No.9.3 of IS 16221(Part 1)
9237	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Software and firmware performing safety functions	Cl. No. 15 of IEC 62109-1
9238	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Software and firmware performing safety functions	Cl. No. 15 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	622 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9239	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Solid insulation & Requirements for electrical withstand capability of solid insulation	Cl. No.7.3.7.8 & Cl. 7.3.7.8.2 of IS 16221(Part 1)
9240	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Solid insulation & Requirements for electrical withstand capability of solid insulation	Cl. No.7.3.7.8 & Cl. 7.3.7.8.2 of IEC 62109-1
9241	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Sonic Hazards marking and Instructions	Cl.No.5.2.3 of IEC 62109-1
9242	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Sonic Hazards marking and Instructions	Cl.No.5.2.3 of IS 16221(Part 1)
9243	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Stranded wire	Cl. No.13.3.3.6 of IEC 62109-1
9244	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Stranded wire	Cl. No.13.3.3.6 of IS 16221(Part 1)
9245	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Supply wiring space	Cl.No.13.3.4 of IEC 62109-1
9246	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Supply wiring space	Cl.No.13.3.4 of IS 16221(Part 1)
9247	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Terminal boxes for External Connections	Cl.No. 5.1.9 of IEC 62109-1
9248	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Terminal boxes for External Connections	Cl.No. 5.1.9 of IS 16221(Part 1)
9249	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Test on Printed circuit boards (Flammability Rating Verification)	Cl. No. 14.6 of IEC 62109-1
9250	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Test on Printed circuit boards (Flammability Rating Verification)	Cl. No. 14.6 of IS 16221(Part 1)
9251	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Testing in single fault condition	Cl. No.4.4 of IEC 62109-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	623 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9252	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Testing in single fault condition	Cl. No.4.4 of IS 16221(Part 1)
9253	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Thickness requirements for metal enclosures	Cl. No.13.8 of IEC 62109-1
9254	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Thickness requirements for metal enclosures	Cl. No.13.8 of IS 16221(Part 1)
9255	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Thin sheet or tape material & Material thickness not less than 0.2 mm & Material thickness less than 0.2 mm	Cl.No. 7.3.7.8.3 & Cl. 7.3.7.8.3.2 &Cl. 7.3.7.8.3.3 of IS 16221(Part 1)
9256	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Thin sheet or tape material & Material thickness not less than 0.2 mm & Material thickness less than 0.2 mm	Cl.No. 7.3.7.8.3 & Cl. 7.3.7.8.3.2 &Cl. 7.3.7.8.3.3 of IEC 62109-1
9257	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Touch current in case of failure of the protective earthing conductor	Cl.No.7.3.6.3.7 of IEC 62109-1
9258	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Touch current in case of failure of the protective earthing conductor	Cl.No.7.3.6.3.7 of IS 16221(Part 1)
9259	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Touch current measurement (type test)	Cl.No.7.5.4 of IEC 62109-1
9260	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Touch current measurement (type test)	Cl.No.7.5.4 of IS 16221(Part 1)
9261	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	UV Exposure	Cl.No. 6.4 of IEC 62109-1
9262	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	UV Exposure	Cl.No. 6.4 of IS 16221(Part 1)
9263	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	UV resistance	Cl.No.13.6.4 of IEC 62109-1
9264	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	UV resistance	Cl.No.13.6.4 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	624 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9265	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Voltage test	Cl.No. 7.5.2 of IEC 62109-1
9266	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Voltage test	Cl.No. 7.5.2 of IS 16221(Part 1)
9267	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wall mounting	Cl. No. 8.5 of IS 16221(Part 1)
9268	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wall mounting	Cl. No. 8.5 of IEC 62109-1
9269	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Warning markings & Visibility and legibility requirements for warning markings	Cl.No.5.2 & Cl. 5.2.1 of IS 16221(Part 1)
9270	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Warning markings & Visibility and legibility requirements for warning markings	Cl.No.5.2 & Cl. 5.2.1 of IEC 62109-1
9271	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wire bending space for wires 10 mm² and greater	Cl. No. 13.3.5 of IEC 62109-1
9272	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wire bending space for wires 10 mm² and greater	Cl. No. 13.3.5 of IS 16221(Part 1)
9273	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wiring terminal design	Cl. No.13.3.3.4 of IEC 62109-1
9274	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wiring terminal design	Cl. No.13.3.3.4 of IS 16221(Part 1)
9275	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wiring terminals for connection of external conductors, Wiring terminals & Screw terminals	Cl. No.13.3.3, 13.3.3.1 & 13.3.3.3 of IEC 62109-1
9276	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wiring terminals for connection of external conductors, Wiring terminals & Screw terminals	Cl. No.13.3.3, 13.3.3.1 & 13.3.3.3 of IS 16221(Part 1)
9277	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wound components & potting materials	Cl. No.7.3.7.8.5 & Cl. 7.3.7.8.6 of IEC 62109-1
9278	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems	Wound components & potting materials	Cl. No.7.3.7.8.5 & Cl. 7.3.7.8.6 of IS 16221(Part 1)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	625 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9279	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for inverters	Fault-tolerance of automatic disconnecting means	Cl. No.4.4.4.15.2 of IEC 62109-2
9280	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Automatic checking of the disconnect means	Cl. No.4.4.4.15.2.3 of IEC 62109-2
9281	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Automatic checking of the disconnect means	Cl. No.4.4.4.15.2.3 of IS 16221(Part 2)
9282	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Design of insulation or separation	Cl. No. 4.4.4.15.2.2 of IEC 62109-2
9283	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Design of insulation or separation	Cl. No. 4.4.4.15.2.2 of IS 16221(Part 2)
9284	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Fault-tolerance of automatic disconnecting means	Cl. No.4.4.4.15.2 of IS 16221(Part 2)
9285	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Marking and documentation	Cl.No. 5 of IEC 62109-2
9286	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Marking and documentation	Cl.No. 5 of IS 16221(Part 2)
9287	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Additional requirements for stand-alone inverters	Cl.No. 7.3.10 of IEC 62109-2
9288	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems-Particular requirements for invertors	Additional requirements for stand-alone inverters	Cl.No. 7.3.10 of IS 16221 (Part 2)
9289	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems: Inverters	General requirements regarding inverter isolation and array grounding	Cl. No. 4.8.1 of IEC 62109-2
9290	ELECTRONICS-MISCELLANEOUS PRODUCTS	Power convertors for use in photovoltaic power systems: Invertors	General requirements regarding inverter isolation and array grounding	Cl. No. 4.8.1 of IS 16221(Part 2)
9291	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD) PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & load)	Duty cycle and autonomy	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	626 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9292	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD) PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & load)	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9293	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD) PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & load)	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9294	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD) PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & load)	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9295	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD) PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & load)	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9296	ELECTRONICS-MISCELLANEOUS PRODUCTS	PV INTEGRATED MICRO SOLAR DOME (PV i MSD): PART 1: MICRO SOLAR DOME) AND PART 2: PV INTEGRATED MICRO SOLAR DOME & LOAD)	Storage battery (capacity test)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9297	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9298	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Duty cycle and autonomy	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9299	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9300	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9301	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9302	ELECTRONICS-MISCELLANEOUS PRODUCTS	SOLAR HOME SYSTEM (SOLAR POWER PACK) DC MODELS and AC MODELS (Upto 350 W)	Storage battery (capacity test)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	627 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9303	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar Photovoltaic water pumping system (Upto 10HP)	Water output Tests (hot ,cold and outdoor performance tests)	As per Annexure-I & II of MNRE_JNNSM for Solar photovoltaic water pumping systems (2015-16)
9304	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar photovoltaic water pumping system for centrifugal pump	Water output tests	Cl. no. 7.0 & 10.0 of IS 17018 (Part 1)
9305	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar photovoltaic water pumping systems (Upto 10HP)	Water output Tests (hot ,cold and outdoor performance tests)	As per Annexure A & B of MNRE circular number 41/03/2018-SPV division dated 16/02/2018 for testing of Solar water pumping system(2017-18)
9306	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar Photovoltaic water pumping systems for drinking water application (1HP)	Water output Tests (hot ,cold and outdoor performance tests)	As per Annexure I of MNRE JNNSM for testing of Solar Photovoltaic water pumping systems for drinking water application (2014-15):2015
9307	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar photovoltaic water pumping systems: Centrifugal pumps	Constructional features	Cl. no. 5.0 of IS 17018 (Part1)
9308	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar photovoltaic water pumping systems: Centrifugal pumps	Marking	Cl. No. 13.0 IS 17018 (Part1)
9309	ELECTRONICS-MISCELLANEOUS PRODUCTS	Solar water Pumping System (Upto 10HP)	Water output Tests (hot ,cold and outdoor performance tests)	Cl, no. 5.0, 5.1 & 5.2 of Annexure II, MNRE F.No. 41/3/2018-SPV Division dated 17/07/2019
9310	ELECTRONICS-MISCELLANEOUS PRODUCTS	SPower convectors for use in photovoltaic power systems	Conditions of loading for output ports	Cl.No. 4.2.2.8 of IEC 62109-1
9311	ELECTRONICS-MISCELLANEOUS PRODUCTS	SPower convectors for use in photovoltaic power systems	Decisive voltage to Short-terms limits of accessible voltages under fault conditions	Cl.No. 7.3.2 to 7.3.2.3 of IEC 62109-1
9312	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Visual screening	Annex F of IEC /TS 62257-9-5
9313	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Appliance Test (Operating Voltage range, Power consumption test, charging efficiency test and Battery run time test)	Annex FF of IEC /TS 62257-9-5

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	628 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9314	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Battery Test (Battery Capacity Test and Storage Efficiency test)	Annex K,L, N, R, BB & Annex GG of IEC /TS 62257-9-5
9315	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Full-battery run time test,Full discharge preparation, Grid charge test	Annex M, N, O & P of IEC /TS 62257-9-5
9316	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Light Distribution test	Annex T of IEC /TS 62257-9-5
9317	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Light output test	Annex I of IEC /TS 62257-9-5
9318	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Light output test	Annex I of IEC /TS 62257-9-5
9319	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Lumen Maintenance test	Annex J of IEC /TS 62257-9-5
9320	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Mechanical durability test	Annex W of IEC /TS 62257-9-5
9321	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Physical and water ingress protection test,Level of water protection	Annex U & V of IEC /TS 62257-9-5
9322	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	Protection Tests (Miswiring Protection Test, Output Overload Protection Test & PV Overvoltage Protection Test)	Annex DD & EE of IEC /TS 62257-9-5
9323	ELECTRONICS-MISCELLANEOUS PRODUCTS	Stand-alone renewable energy products	P-V module IV characteristic test	Annex Q to Annex S of IEC /TS 62257-9-5
9324	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	UV pre conditioning test (MQT 10)	Cl.No. 4.10 IS 14286-2
9325	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Wet leakage current test (MQT 15)	Cl.No. 4.15 IS 14286-2
9326	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV)	Static Mechanical load test (MQT 16)	Cl. No. 4.16 of IS 14286-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	629 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9327	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV)	Static Mechanical load test (MQT 16)	Cl.No. 4.16 IS 14286-2
9328	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV)	UV pre conditioning test (MQT 10)	Cl. No. 4.10 of IS 14286-1
9329	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) module: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IEC 61215-1-4
9330	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bending Test for flexible Module (MQT 22)	IEC 61215-1-1 (Cl.11.22)
9331	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bending Test for flexible Module (MQT 22)	IEC 61215-1-2 (Cl.11.22)
9332	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bending Test for flexible Module (MQT 22)	IEC 61215-1-3 (Cl.11.22)
9333	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bending Test for flexible Module (MQT 22)	IEC 61215-1-4 (Cl.11.22)
9334	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bending Test for flexible Module (MQT 22)	IEC 61215-2 (Cl.4.22)
9335	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 4.18 of "Withdrawn Standard" IEC 61215-1
9336	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 4.18 of "Withdrawn Standard" IEC 61215-2
9337	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 4.18 of IEC 61215-2
9338	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Bypass diode testing (MQT 18) (MQT 18.1) and (MQT 18.2)	Cl .No. 4.18 of IS 14286-1
9339	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Bypass diode testing (MQT 18), (MQT 18.1) and (MQT 18.2)	Cl.No. 4.18 IS 14286-2
9340	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Cyclic (Dynamic) Mechanical Load Test (MQT 20)	IEC 61215-1-1 (Cl.11.20)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	630 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9341	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Cyclic (Dynamic) Mechanical Load Test (MQT 20)	IEC 61215-1-2 (Cl.11.20)
9342	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Cyclic (Dynamic) Mechanical Load Test (MQT 20)	IEC 61215-1-3 (Cl.11.20)
9343	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Cyclic (Dynamic) Mechanical Load Test (MQT 20)	IEC 61215-1-4 (Cl.11.20)
9344	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Cyclic (Dynamic) Mechanical Load Test (MQT 20)	IEC 61215-2 (Cl.4.20)
9345	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 4.13 of "Withdrawn Standard" IEC 61215-1
9346	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 4.13 of "Withdrawn Standard" IEC 61215-2
9347	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 4.13 of IEC 61215-2
9348	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Damp-heat test (MQT 13)	Cl. No. 4.13 of IS 14286-1
9349	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Damp-heat test (MQT 13)	Cl.No. 4.13 IS 14286-2
9350	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Documentation- Measurement of temperature coefficient (MQT 04)	Cl No. 5.2 of IEC 61215-1
9351	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Documentation- Performance at low irradiance (MQT 07)	Cl. No. 5.2 of IEC 61215-1
9352	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hail test (MQT 17)	Cl .No. 4.17 of IS 14286-1
9353	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 4.17 of "Withdrawn Standard" IEC 61215-1
9354	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 4.17 of "Withdrawn Standard" IEC 61215-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	631 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9355	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 4.17 of IEC 61215-2
9356	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hail test (MQT 17)	Cl.No. 4.17 IS 14286-2
9357	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hot-spot endurance test (MQT 09)	Cl .No. 4.9 of IS 14286-1
9358	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 4.9 of "Withdrawn Standard" IEC 61215-1
9359	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 4.9 of "Withdrawn Standard" IEC 61215-2
9360	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 4.9 of IEC 61215-2
9361	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 4.9 of IEC 61215-2
9362	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hot-spot endurance test (MQT 09)	Cl. No. 4.9 of IS 14286-1
9363	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hot-spot endurance test (MQT 09)	Cl.No. 4.9 IS 14286-2
9364	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Hot-spot endurance test (MQT 09)	Cl.No. 4.9 IS 14286-2
9365	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 4.12 of "Withdrawn Standard" IEC 61215-1
9366	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 4.12 of "Withdrawn Standard" IEC 61215-2
9367	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 4.12 of IEC 61215-2
9368	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Humidity freeze test (MQT 12)	Cl. No. 4.12 of IS 14286-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	632 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9369	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Humidity freeze test (MQT 12)	Cl.No. 4.12 IS 14286-2
9370	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Insulation Test (MQT 03	Cl .No. 4.3 of IS 14286-1
9371	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl .No. 4.3 of IEC 61215-2
9372	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Insulation Test (MQT 03)	Cl .No. 4.3 of IS 14286-1
9373	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Insulation Test (MQT 03)	Cl .No. 4.3 of IS 14286-2
9374	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Insulation Test (MQT 03)	Cl .No. 4.3 of IS 14286-2
9375	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 4.3 of "Withdrawn Standard" IEC 61215-1
9376	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 4.3 of "Withdrawn Standard" IEC 61215-1
9377	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 4.3 of "Withdrawn Standard" IEC 61215-2
9378	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 4.3 of "Withdrawn Standard" IEC 61215-2
9379	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 4.3 of IEC 61215-2
9380	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Marking and documentation	Cl No. Cl. 5, 5.1 of IEC 61215-1
9381	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of "Withdrawn Standard" IEC 61215-1
9382	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Marking and documentation-Performance at STC (MQT 06.1)	Cl. No. 5, 5.1 of "Withdrawn Standard" IEC 61215-1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 633 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9383	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Marking and documentation-Performance at STC (MQT 06.1)	Cl. No. 5, 5.1 of IEC 61215-1
9384	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 4.2 of "Withdrawn Standard" IEC 61215-1
9385	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 4.2 of "Withdrawn Standard" IEC 61215-2
9386	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 4.2 of IEC 61215-2
9387	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Maximum Power Determination (MQT 02)	Cl.No. 4.2 of IS 14286-1
9388	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Maximum Power Determination (MQT 02)	Cl.No. 4.2 of IS 14286-2
9389	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Measurement of nominal module operating temperature (NMOT) (MQT 05)	Cl .No. 4.5 of IS 14286-1
9390	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 4.5 of "Withdrawn Standard" IEC 61215-1
9391	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 4.5 of "Withdrawn Standard" IEC 61215-2
9392	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Measurement of nominal module operating temperature (NMOT) (MQT 05)	Cl.No. 4.5 IS 14286-2
9393	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Measurement of Temperature Coefficient (MQT 04)	Cl .No. 4.4 of IS 14286-1
9394	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Measurement of Temperature Coefficient (MQT 04)	Cl .No. 4.4 of IS 14286-2
9395	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 4.4 of "Withdrawn Standard" IEC 61215-1
9396	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 4.4 of "Withdrawn Standard" IEC 61215-2

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 634 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9397	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 4.4 of IEC 61215-2
9398	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Outdoor exposure test (MQT 08)	Cl .No. 4.8 of IS 14286-1
9399	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 4.8 of "Withdrawn Standard" IEC 61215-1
9400	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 4.8 of "Withdrawn Standard" IEC 61215-2
9401	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 4.8 of IEC 61215-2
9402	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Outdoor exposure test (MQT 08)	Cl.No. 4.8 IS 14286-2
9403	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at low irradiance (MQT 07)	Cl .No. 4.7 of IS 14286-1
9404	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at low irradiance (MQT 07)	Cl .No. 4.7 of IS 14286-2
9405	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 4.7 of "Withdrawn Standard" IEC 61215-1
9406	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 4.7 of "Withdrawn Standard" IEC 61215-1
9407	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 4.7 of "Withdrawn Standard" IEC 61215-2
9408	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 4.7 of "Withdrawn Standard" IEC 61215-2
9409	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 4.7 of IEC 61215-2
9410	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 4.6 of IEC 61215-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	635 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9411	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 4.6 of IEC 61215-2
9412	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at STC and NMOT (MQT 06)	Cl .No. 4.6 of IS 14286-1
9413	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of "Withdrawn Standard" IEC 61215-1
9414	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of "Withdrawn Standard" IEC 61215-1
9415	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of "Withdrawn Standard" IEC 61215-1
9416	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of "Withdrawn Standard" IEC 61215-2
9417	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of "Withdrawn Standard" IEC 61215-2
9418	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at STC and NMOT (MQT 06)	Cl. No. 4.6 of IS 14286-1
9419	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at STC and NMOT (MQT 06)	Cl.No. 4.6 IS 14286-2
9420	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Performance at STC and NMOT (MQT 06)	Cl.No. 4.6 IS 14286-2
9421	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Potential Induced degradation test (MQT 21)	Cl. No. 4.21 of IEC 61215-2
9422	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Power output and electric circuitry	Cl. No.7.2 of IEC 61215-1
9423	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 4.14 of "Withdrawn Standard" IEC 61215-1
9424	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 4.14 of "Withdrawn Standard" IEC 61215-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	636 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9425	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 4.14 of IEC 61215-2
9426	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Robustness of terminations tests (MQT 14) Torque test	Cl. No. 4.14 of "Withdrawn Standard" IEC 61215-1
9427	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Robustness of terminations tests (MQT 14) Torque test	Cl. No. 4.14 of "Withdrawn Standard" IEC 61215-2
9428	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Robustness of terminations tests (MQT 14), (MQT 14.1) and (MQT 14.2)	Cl.No. 4.14 IS 14286-2
9429	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Robustness of terminations tests (MQT 14), (MQT 14.1) and (MQT 14.2)	Cl. No. 4.14 of IS 14286-1
9430	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Stabilization (MQT 19), Initial Stabilization (MQT 19.1), Final stabilization (MQT 19.2)	Cl. No. 4.19 of IEC 61215-2
9431	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Stabilization test (MQT 19) (11.19) Initial Stabilization (MQT19.1)	Cl. No. 4.19 of "Withdrawn Standard" IEC 61215-1
9432	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Stabilization test (MQT 19) (11.19) Initial Stabilization (MQT19.1)	Cl. No. 4.19 of "Withdrawn Standard" IEC 61215-2
9433	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Stabilization test (MQT 19) Initial Stabilization (MQT 19.1) Final Stabilization (MQT 19.2)	Cl. No. 4.19 of IS 14286-1
9434	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Stabilization test (MQT 19) Initial Stabilization (MQT 19.1) Final Stabilization (MQT 19.2)	Cl. No. 4.19 of IS 14286-2
9435	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 4.16 of "Withdrawn Standard" IEC 61215-1
9436	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 4.16 of "Withdrawn Standard" IEC 61215-2
9437	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 4.16 of IEC 61215-2
9438	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 4.11 of "Withdrawn Standard" IEC 61215-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	637 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9439	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 4.11 of "Withdrawn Standard" IEC 61215-2
9440	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 4.11 of IEC 61215-2
9441	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Thermal cycling test (MQT 11)	Cl. No. 4.11 of IS 14286-1
9442	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Thermal cycling test (MQT 11)	Cl.No. 4.11 IS 14286-2
9443	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 4.10 of "Withdrawn Standard" IEC 61215-1
9444	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 4.10 of "Withdrawn Standard" IEC 61215-2
9445	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 4.10 of IEC 61215-2
9446	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Visual defects	Cl. No. Cl. 7.3, 8 of IEC 61215-1
9447	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 4.1 IS 14286-2
9448	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 4.1 of "Withdrawn Standard" IEC 61215-2
9449	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 4.1 of IEC 61215-2
9450	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 4.1 of IS 14286-1
9451	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 4.15 of "Withdrawn Standard" IEC 61215-1
9452	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 4.15 of "Withdrawn Standard" IEC 61215-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	638 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9453	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 4.15 of IEC 61215-2
9454	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial Photovoltaic (PV) Modules	Wet leakage current test (MQT 15)	Cl. No. 4.15 of IS 14286-1
9455	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules requirements	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 4.1 of "Withdrawn Standard" IEC 61215-1
9456	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No.11.15 of "Withdrawn Standard" IEC 61215-1-2
9457	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IEC 61215-1-1
9458	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Bypass diode thermal test (MQT 18)	Cl. No. 11.18 "Withdrawn Standard" IEC 61215-1-1
9459	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 "Withdrawn Standard" IEC 61215-1-1
9460	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IEC 61215-1-1
9461	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IEC 61215-1-1
9462	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 "Withdrawn Standard" IEC 61215-1-1
9463	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 "Withdrawn Standard" IEC 61215-1-1
9464	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-1
9465	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-1
9466	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 "Withdrawn Standard" IEC 61215-1-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	639 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9467	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IEC 61215-1-1
9468	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 "Withdrawn Standard" IEC 61215-1-1
9469	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl .No. 11.3 of IEC 61215-1-1
9470	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 "Withdrawn Standard" IEC 61215-1-1
9471	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-1
9472	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 "Withdrawn Standard" IEC 61215-1-1
9473	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IEC 61215-1-1
9474	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 "Withdrawn Standard" IEC 61215-1-1
9475	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of "Withdrawn Standard" IEC 61215-1-1
9476	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No.11.2 of IEC 61215-1-1
9477	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 "Withdrawn Standard" IEC 61215-1-1
9478	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IEC 61215-1-1
9479	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Measurement of Temperature Cofficient (MQT 04)	Cl. No. 11.4 of "Withdrawn Standard" IEC 61215-1-1
9480	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IEC 61215-1-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	640 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9481	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Outdoor exposure test	Cl. No. 11.8 "Withdrawn Standard" IEC 61215-1-1
9482	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IEC 61215-1-1
9483	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 "Withdrawn Standard" IEC 61215-1-1
9484	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 "Withdrawn Standard" IEC 61215-1-1
9485	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-1
9486	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-1
9487	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No.11.6 of "Withdrawn Standard" IEC 61215-1-1
9488	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 "Withdrawn Standard" IEC 61215-1-1
9489	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Potential Induced degradation test (MQT 21)	Cl. No. 11.21 of IEC 61215-1-1
9490	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 "Withdrawn Standard" IEC 61215-1-1
9491	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 "Withdrawn Standard" IEC 61215-1-1
9492	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IEC 61215-1-1
9493	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Stabilization (MQT 19), Initial Stabilization (MQT 19.1), Final stabilization (MQT 19.2)	Cl. No. 11.19 of IEC 61215-1-1
9494	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Stabilization test (MQT 19) (10.19) Initial Stabilization (MQT19.1)	Cl. No. 11.19 "Withdrawn Standard" IEC 61215-1-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 641 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9495	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Static Mechanical load test (MQT 16)	Cl. No. 11.16 "Withdrawn Standard" IEC 61215-1-1
9496	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 11.16 of IEC 61215-1-1
9497	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 "Withdrawn Standard" IEC 61215-1-1
9498	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IEC 61215-1-1
9499	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IEC 61215-1-1
9500	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 "Withdrawn Standard" IEC 61215-1-1
9501	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IEC 61215-1-1
9502	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 "Withdrawn Standard" IEC 61215-1-1
9503	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IEC 61215-1-1
9504	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Crystalline Silicon photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 "Withdrawn Standard" IEC 61215-1-1
9505	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: testing of thin-film amorphous silicon based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No.11.15 of "Withdrawn Standard" IEC 61215-1-3
9506	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IEC 61215-1-3
9507	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 "Withdrawn Standard" IEC 61215-1-3
9508	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IEC 61215-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	642 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9509	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 "Withdrawn Standard" IEC 61215-1-3
9510	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film amorphous silicon based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IEC 61215-1-3
9511	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 "Withdrawn Standard" IEC 61215-1-3
9512	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 "Withdrawn Standard" IEC 61215-1-3
9513	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 "Withdrawn Standard" IEC 61215-1-3
9514	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-3
9515	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-3
9516	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 "Withdrawn Standard" IEC 61215-1-3
9517	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IEC 61215-1-3
9518	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 "Withdrawn Standard" IEC 61215-1-3
9519	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 "Withdrawn Standard" IEC 61215-1-3
9520	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-3
9521	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-3
9522	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IEC 61215-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	643 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9523	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 "Withdrawn Standard" IEC 61215-1-3
9524	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of "Withdrawn Standard" IEC 61215-1-3
9525	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of IEC 61215-1-3
9526	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film amorphous silicon based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 "Withdrawn Standard" IEC 61215-1-3
9527	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IEC 61215-1-3
9528	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Measurement of Temperature Cofficient (MQT 04)	Cl. No. 11.4 of "Withdrawn Standard" IEC 61215-1-3
9529	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Mechanical load test (MQT 16)	Cl. No. 11.16 "Withdrawn Standard" IEC 61215-1-3
9530	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 "Withdrawn Standard" IEC 61215-1-3
9531	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IEC 61215-1-3
9532	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IEC 61215-1-3
9533	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No.11.7 of "Withdrawn Standard" IEC 61215-1-3
9534	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No.11.7 of "Withdrawn Standard" IEC 61215-1-3
9535	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-3
9536	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	644 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9537	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No.11.6 of "Withdrawn Standard" IEC 61215-1-3
9538	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No.11.6 of "Withdrawn Standard" IEC 61215-1-3
9539	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Potential Induced degradation test (MQT 21)	Cl. No. 11.21 of IEC 61215-1-3
9540	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IEC 61215-1-3
9541	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No.11.14 of "Withdrawn Standard" IEC 61215-1-3
9542	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film amorphous silicon based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No.11.14 of "Withdrawn Standard" IEC 61215-1-3
9543	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Stabilization (MQT 19), Initial Stabilization (MQT 19.1), Final stabilization (MQT 19.2)	Cl. No. 11.19 of IEC 61215-1-3
9544	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No.11.19 of "Withdrawn Standard" IEC 61215-1-3
9545	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 11.16 of IEC 61215-1-3
9546	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No.11.11 of "Withdrawn Standard" IEC 61215-1-3
9547	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IEC 61215-1-3
9548	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film amorphous silicon based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IEC 61215-1-3
9549	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No.11.10 of "Withdrawn Standard" IEC 61215-1-3
9550	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IEC 61215-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	645 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9551	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No.11.1 of "Withdrawn Standard" IEC 61215-1-3
9552	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film amorphous silicon based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IEC 61215-1-3
9553	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IEC 61215-1-2
9554	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No.11.18 of "Withdrawn Standard" IEC 61215-1-2
9555	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IEC 61215-1-2
9556	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No.11.13 of "Withdrawn Standard" IEC 61215-1-2
9557	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IEC 61215-1-2
9558	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No.11.17 of "Withdrawn Standard" IEC 61215-1-2
9559	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-2
9560	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-2
9561	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No.11.9 of "Withdrawn Standard" IEC 61215-1-2
9562	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No.11.9 of "Withdrawn Standard" IEC 61215-1-2
9563	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IEC 61215-1-2
9564	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No.11.12 of "Withdrawn Standard" IEC 61215-1-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	646 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9565	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-2
9566	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-2
9567	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No.11.3 of "Withdrawn Standard" IEC 61215-1-2
9568	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No.11.3 of "Withdrawn Standard" IEC 61215-1-2
9569	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of "Withdrawn Standard" IEC 61215-1-2
9570	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IEC 61215-1-2
9571	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of "Withdrawn Standard" IEC 61215-1-2
9572	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of IEC 61215-1-2
9573	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No.11.5 of "Withdrawn Standard" IEC 61215-1-2
9574	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IEC 61215-1-2
9575	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Measurement of Temperature Cofficient (MQT 04)	Cl. No. 11.4 of "Withdrawn Standard" IEC 61215-1-2
9576	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Mechanical load test (MQT 16)	Cl. No.11.16 of "Withdrawn Standard" IEC 61215-1-2
9577	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No.11.8 of "Withdrawn Standard" IEC 61215-1-2
9578	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IEC 61215-1-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	647 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9579	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 "Withdrawn Standard" IEC 61215-1-2
9580	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IEC 61215-1-2
9581	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No.11.7 of "Withdrawn Standard" IEC 61215-1-2
9582	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl. No. 11.6 of IEC 61215-1-2
9583	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl. No. 11.6 of IEC 61215-1-2
9584	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No.11.6 of "Withdrawn Standard" IEC 61215-1-2
9585	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No.11.6 of "Withdrawn Standard" IEC 61215-1-2
9586	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Potential Induced degradation test (MQT 21)	Cl. No. 11.21 of IEC 61215-1-2
9587	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IEC 61215-1-2
9588	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No.11.14 of "Withdrawn Standard" IEC 61215-1-2
9589	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No.11.14 of "Withdrawn Standard" IEC 61215-1-2
9590	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Stabilization (MQT 19), Initial Stabilization (MQT 19.1), Final stabilization (MQT 19.2)	Cl. No. 11.19 of IEC 61215-1-2
9591	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Stabilization test (MQT 19)Initial Stabilization (MQT19.1)Final Stabilization (MQT19.2)	Cl. No.11.19 of "Withdrawn Standard" IEC 61215-1-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	648 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9592	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 11.16 of IEC 61215-1-2
9593	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IEC 61215-1-2
9594	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No.11.11 of "Withdrawn Standard" IEC 61215-1-2
9595	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IEC 61215-1-2
9596	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No.11.10 of "Withdrawn Standard" IEC 61215-1-2
9597	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IEC 61215-1-2
9598	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No.11.1 of "Withdrawn Standard" IEC 61215-1-2
9599	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IEC 61215-1-2
9600	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-4
9601	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IEC 61215-1-4
9602	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IEC 61215-1-4
9603	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl .No. 11.3 of IEC 61215-1-4
9604	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IEC 61215-1-4
9605	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IEC 61215-1-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	649 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9606	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IEC 61215-1-4
9607	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IEC 61215-1-4
9608	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-4
9609	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1)	Cl .No. 11.6 of IEC 61215-1-4
9610	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Potential Induced degradation test (MQT 21)	Cl. No. 11.21 of IEC 61215-1-4
9611	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IEC 61215-1-4
9612	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Stabilization (MQT 19), Initial Stabilization (MQT 19.1), Final stabilization (MQT 19.2)	Cl. No. 11.19 of IEC 61215-1-4
9613	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Static mechanical load test (MQT 16)	Cl. No. 11.16 of IEC 61215-1-4
9614	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IEC 61215-1-4
9615	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IEC 61215-1-4
9616	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IEC 61215-1-4
9617	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IEC 61215-1-4
9618	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IEC 61215-1-4
9619	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IEC 61215-1-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	650 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9620	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No.11.2 of IEC 61215-1-4
9621	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu (In, GA) (S, Se)2 based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IEC 61215-1-4
9622	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA) (S,Se)2 based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No.11.18 of "Withdrawn Standard" IEC 61215-1-4
9623	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA) (S,Se)2 based photovoltaic (PV) modules	Marking and Documentation	Cl. No.5 of "Withdrawn Standard" IEC 61215-1-4
9624	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA) (S,Se)2 based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 "Withdrawn Standard" IEC 61215-1-4
9625	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No.11.13 of "Withdrawn Standard" IEC 61215-1-4
9626	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No.11.17 of "Withdrawn Standard" IEC 61215-1-4
9627	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No.11.9 of "Withdrawn Standard" IEC 61215-1-4
9628	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No.11.9 of "Withdrawn Standard" IEC 61215-1-4
9629	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of "Withdrawn Standard" IEC 61215-1-4
9630	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of "Withdrawn Standard" IEC 61215-1-4
9631	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of "Withdrawn Standard" IEC 61215-1-4
9632	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of "Withdrawn Standard" IEC 61215-1-4
9633	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: Thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Measurement of Temperature Cofficient (MQT 04)	Cl. No. 11.4 of "Withdrawn Standard" IEC 61215-1-4

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 651 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9634	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Mechanical load test (MQT 16)	Cl. No. 11.16 of "Withdrawn Standard" IEC 61215-1-4
9635	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of "Withdrawn Standard" IEC 61215-1-4
9636	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 "Withdrawn Standard" IEC 61215-1-4
9637	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of "Withdrawn Standard" IEC 61215-1-4
9638	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of "Withdrawn Standard" IEC 61215-1-4
9639	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of "Withdrawn Standard" IEC 61215-1-4
9640	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 "Withdrawn Standard" IEC 61215-1-4
9641	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of "Withdrawn Standard" IEC 61215-1-4
9642	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No. 11.19 of "Withdrawn Standard" IEC 61215-1-4
9643	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of "Withdrawn Standard" IEC 61215-1-4
9644	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of "Withdrawn Standard" IEC 61215-1-4
9645	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of "Withdrawn Standard" IEC 61215-1-4
9646	ELECTRONICS-MISCELLANEOUS PRODUCTS	Terrestrial photovoltaic (PV) modules: thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of "Withdrawn Standard" IEC 61215-1-4
9647	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film amorphous silicon based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IS 14286-1-3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	652 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9648	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film amorphous silicon based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IS 14286-1-3
9649	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film amorphous silicon based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IS 14286-1-3
9650	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film amorphous silicon based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IS 14286-1-3
9651	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IS 14286-1-2
9652	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IS 14286-1-2
9653	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IS 14286-1-2
9654	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-2
9655	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IS 14286-1-2
9656	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-2
9657	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-2
9658	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IS 14286-1-2
9659	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of IS 14286-1-2
9660	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 of IS 14286-1-2
9661	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 IS 14286-1-2

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	653 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9662	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IS 14286-1-2
9663	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IS 14286-1-2
9664	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-2
9665	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-2
9666	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IS 14286-1-2
9667	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No. 11.19 of IS 14286-1-2
9668	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Static Mechanical load test (MQT 16)	Cl. No. 11.16 of IS 14286-1-2
9669	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IS 14286-1-2
9670	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IS 14286-1-2
9671	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl. No. 11.1 of IS 14286-1-2
9672	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film cadmium telluride (CdTe) based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IS 14286-1-2
9673	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Bypass diode testing (MQT 18)	Cl. No. 11.18 of IS 14286-1-4
9674	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Damp-heat test (MQT 13)	Cl. No. 11.13 of IS 14286-1-4
9675	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Hail test (MQT 17)	Cl. No. 11.17 of IS 14286-1-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	654 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9676	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-4
9677	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Hot-spot endurance test (MQT 09)	Cl. No. 11.9 of IS 14286-1-4
9678	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Humidity freeze test (MQT 12)	Cl. No. 11.12 of IS 14286-1-4
9679	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-4
9680	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Insulation Test (MQT 03)	Cl. No. 11.3 of IS 14286-1-4
9681	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Marking and Documentation	Cl. No. 5 of IS 14286-1-4
9682	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Maximum Power determination (MQT 02)	Cl. No. 11.2 of IS 14286-1-4
9683	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Measurement of Nominal Module Operating Temperature (NMOT) (MQT 05)	Cl. No. 11.5 of IS 14286-1-4
9684	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Measurement of Temperature Coefficient (MQT 04)	Cl. No. 11.4 of IS 14286-1-4
9685	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Outdoor exposure test (MQT 08)	Cl. No. 11.8 of IS 14286-1-4
9686	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Performance at low irradiance (MQT 07)	Cl. No. 11.7 of IS 14286-1-4
9687	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-4
9688	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Performance at STC (MQT 06.1) and NMOT (MQT 06.2)	Cl. No. 11.6 of IS 14286-1-4
9689	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Robustness of terminations tests (MQT 14)	Cl. No. 11.14 of IS 14286-1-4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	655 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9690	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Stabilization test (MQT 19) Initial Stabilization (MQT19.1) Final Stabilization (MQT19.2)	Cl. No. 11.19 of IS 14286-1-4
9691	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Static Mechanical load test (MQT 16)	Cl. No. 11.16 of IS 14286-1-4
9692	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Thermal cycling test (MQT 11)	Cl. No. 11.11 of IS 14286-1-4
9693	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	UV pre conditioning test (MQT 10)	Cl. No. 11.10 of IS 14286-1-4
9694	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Visual inspection to detect any visual defect in the product/component (MQT 01)	Cl.No. 11.1 of IS 14286-1-4
9695	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-film Cu (In,Ga)(S,Se)2 based photovoltaic (PV) modules	Wet leakage current test (MQT 15)	Cl. No. 11.15 of IS 14286-1-4
9696	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Bypass diode thermal test	Cl.No.10.18 of IS 16077
9697	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Damp-heat test	Cl.No.10.13 of IS 16077
9698	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Hail test (MQT 17)	Cl. No.10.17 of IS 16077
9699	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Hot-spot endurance test	Cl. No.10.9 of IS 16077
9700	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Humidity freeze test	Cl. No.10.12 of IS 16077
9701	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Insulation Test	Cl. No.10.3 of IS 16077
9702	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Insulation Test	Cl. No.10.3 of IS 16077
9703	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Light-soaking test	Cl.No.10.19 of IS 16077

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	656 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9704	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Marking	Cl. No.4 of IS 16077
9705	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Maximum Power determination	Cl. No.10.2 of IS 16077
9706	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Measurement of nominal operating cell temperature (NOCT)	Cl. No. 10.5 of IS 16077
9707	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Measurement of Temperature Cofficients	Cl. No.10.4 of IS 16077
9708	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Mechanical load test	Cl. No. 10.16 of IS 16077
9709	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Outdoor exposure test	Cl. No.10.8 of IS 16077
9710	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Performance at low irradiance	Cl. No.10.7 of IS 16077
9711	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Performance at STC and NOCT	Cl. No.10.6 of IS 16077
9712	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Performance at STC and NOCT	Cl. No.10.6 of IS 16077
9713	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Robustness of terminations tests	Cl. No.10.14 of IS 16077
9714	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Robustness of terminations tests	Cl. No.10.14 of IS 16077
9715	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Thermal cycling test	Cl.No.10.11 of IS 16077
9716	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	UV pre conditioning test	Cl.No. 10.10 of IS 16077
9717	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Visual Inspection to detect any visual defect in the product/component (MQT 01)	Cl.No. 10.1 of IS 16077

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	657 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9718	ELECTRONICS-MISCELLANEOUS PRODUCTS	Thin-Film Terrestrial Photovoltaic (PV)Modules	Wet leakage current test	Cl. No. 10.15 of IS 16077
9719	ELECTRONICS-MISCELLANEOUS PRODUCTS	Universal solar pump controller (USPC)	USPC Efficiency measurement in hot and cold profile - Ripple and distortion at output at full load - Measurement of output voltage waveform - Operation at different output from array	Annexure III of MNRE F. No. 41/3/2018-SPV Division dated 17/07/2019
9720	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility -interconnected photovoltaic inverters	Documentation	Cl.no. 7.0 of IEC 62116
9721	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility -Interconnected Photovoltaic Inverters	Documentation	Cl.No.7 IS 16169
9722	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility -interconnected photovoltaic inverters	Test for single or multi-phase inverter	Cl. No.6.0 to 6.2 of IEC 62116
9723	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility-Interconnected Photovoltaic Inverters	Documentation	Cl.No.7 IS 16169
9724	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility-interconnected photovoltaic inverters	Low voltage ride-through measurements	Cl.No. 5 & 6 IEC TS 62910
9725	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility-interconnected photovoltaic inverters	Low voltage ride-through measurements	Cl.No. 5 & 6 IEC TS 62910
9726	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility-Interconnected Photovoltaic Inverters	Test for single or multi-phase inverter	Cl. no. 6 to 6.2 of IS 16169
9727	ELECTRONICS-MISCELLANEOUS PRODUCTS	Utility-interconnected photovoltaic inverters	Test for single or multi-phase inverter	Cl.No.6 to 6.2 IS 16169
9728	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Duty cycle and autonomy	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9729	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	658 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9730	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9731	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9732	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9733	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR HOME LIGHTING SYSTEMS	Storage battery (capacity test)	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9734	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Duty cycle and autonomy	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9735	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9736	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9737	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Light output	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9738	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Light Source	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9739	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR LANTERN	Storage battery (capacity test)	Solar photovoltaic lighting systems & power packs (off-grid solar application As per MNRE scheme 2016
9740	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	659 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9741	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Duty cycle and autonomy	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9742	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9743	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9744	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9745	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS	Storage battery (capacity test)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9746	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9747	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Electronics (checking of electronic efficiency)	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9748	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9749	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9750	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Light output & Color characteristics	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016
9751	ELECTRONICS-MISCELLANEOUS PRODUCTS	WHITE LED (W-LED) BASED SOLAR STUDY LAMP	Run time	Solar photovoltaic lighting systems & power packs (off-grid solar application scheme 2016

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 660 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9752	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Connection to the mains supply source and connections between parts of equipment	Cl. No. 6.10 of IEC 61010-1:2010+ AMD1
9753	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Eliminating or reducing the sources of ignition within the equipment and Limited-energy circuit	Cl. No. 9.2 , 9.4 of IEC 61010-1:2010+ AMD1
9754	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Limit values for accessible parts	Cl. No. 6.3 of IEC 61010-1:2010+ AMD1
9755	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Containment of fire within the equipment	Cl. No. 9.3 of IEC 61010-1:2010+ AMD1
9756	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Eliminating or reducing the sources of ignition within the equipment and Limited-energy circuit	Cl. No. 9.2 ,9.4 of IEC 61010-1:2010+ AMD1
9757	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Eliminating or reducing the sources of ignition within the equipment and Limited-energy circuit	Cl. No. 9.2, 9.4 of IEC 61010-1:2010+ AMD1
9758	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Hazards resulting from application	Cl. No.16 of IEC 61010-1:2010+ AMD1
9759	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Insulation requirements	Cl. No. 6.7 of IEC 61010-1:2010+ AMD1
9760	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Insulation requirements	Cl. No. 6.7 of IEC 61010-1:2010+ AMD1
9761	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Limit values for accessible parts	Cl. No. 6.3 of IEC 61010-1:2010+ AMD1
9762	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Limit values for accessible parts	Cl. No. 6.3 of IEC 61010-1:2010+ AMD1
9763	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Primary means of protection	Cl. No. 6.4 of IEC 61010-1:2010+ AMD1
9764	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Primary means of protection	Cl. No. 6.4 of IEC 61010-1:2010+ AMD1
9765	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Sharp edges	Cl. No. 7.2 of IEC 61010-1:2010+ AMD1
9766	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Voltage tests	Cl. No. 6.8 of 61010-1:2010+ AMD1
9767	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Voltage tests	Cl. No. 6.8 of IEC 61010-1:2010+ AMD1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	661 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9768	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Voltage tests	Cl. No.6.8 of IEC 61010-1:2010+ AMD1
9769	ELECTRONICS- SAFETY TESTING FACILITY	Adaptors for Electrical Equipment for Measurement, Control, and laboratory use	Voltage tests	Cl.No. 6.8 of IEC 61010-1:2010+ AMD1
9770	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	(Sound Test) Noise Test	Cl. No.11 of IS 8148 +A1
9771	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Heating Capacity Tests (Air Enthalpy test method)	Cl. No. 9.1 of IS 8148 +A1
9772	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Functional Tests	Cl. No.12.3.3 of IS 8148
9773	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	leakage current at operating temperature	Cl. No.12.3.3 (b) of IS 8148+A1
9774	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Air Filter	Cl. No.4.11 of IS 8148+A1
9775	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Automatic Defrost Performance Test	Cl. No.9.3 of IS 8148+A1
9776	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Capacity Rating Test Condition &Room discharge airflow rating test (Air Enthalpy test method)	Cl. No.8.1 ,Cl.No.12.3.1 & Annex C of IS 8148+A1
9777	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Condensate Disposal Test	Cl. No. 8.7 of IS 8148+A1
9778	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Drip Test	Cl. No.8.5 of IS 8148+A1
9779	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Earthing Continuity Test	Cl. No.12.2.6 of IS 8148+A1
9780	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Electric Strength Test	Cl. No.12.2.4 of IS 8148+A1
9781	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Electric strength test at operating temperature	Cl. No.12.3.3(c)of IS 8148+A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	662 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9782	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Enclosure Sweat Test	Cl. No.8.6 of IS 8148 +A1
9783	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Freeze Up Test	Cl. No.8.4 of IS 8148+A1
9784	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Insulation Resistance Test	Cl. No.12.2.3 of IS 8148
9785	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	ISEER Test Conditions & Measurement	Cl. No.8.2 & Cl. No. 7.2 of IS 8148+A1
9786	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Leakage Current Test	Cl. No.12.2.5 of IS 8148
9787	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Marking	Cl. No.13 of IS 8148+A1
9788	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Maximum Cooling Conditions Test	Cl. No. 8.3 of IS 8148+A1
9789	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Maximum Heating Performance Test	Cl. No. 9.2 of IS 8148+A1
9790	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Motors Power input Test	Cl. No.4.13 of IS 8148+A1
9791	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Power Consumption Test For Cooling (Air Enthalpy test method)	Cl. No. 8.8 of IS 8148+A1
9792	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Pressure Test or Leakage Test	Cl. No.12.2.2 of IS 8148+A1
9793	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Protection against the live part	Cl. No.12.3.3(a) of IS 8148+A1
9794	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Provision for earthing &Earth continuity test	Cl. No.12.3.3 (b) & (e) of IS 8148
9795	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Provision for earthing Test	Cl. No.12.3.3(d) of IS 8148+A1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	663 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9796	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Rating and Test Conditions for Capacity Rating Test , Maximum Operating Test , Freeze Up Test , Enclosure Sweat Test Conditions , Condensate Disposal Test , Heating Capacity Test ISEER Test Conditions	Cl. No. 7.1,Cl.No7.2, Cl. 7.3, Cl. 7.4, Cl. 7.5, Cl. 7.6, Cl. 7.7 of IS 8148+A1
9797	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Running Test	Cl. No.12.2.1 of IS 8148+A1
9798	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Ducted and Package Air-Conditioners	Salt spray Test	Cl. No. 4.2 of IS 8148+A1
9799	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Marking And Instructions	Cl.no.7 of IEC 60335-2-40
9800	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Abnormal Operation	Cl.no.19 of IEC 60335-2-40
9801	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Abnormal Operation	Cl.no.19 of IEC 60335-2-40
9802	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Abnormal Operation	Cl.no.19 of IS/IEC 60335-2-40
9803	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Abnormal Operation	Cl.no.19 of IS/IEC 60335-2-40
9804	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Clearances, Creepage Distances And Solid Insulation	Cl.no.29 of IEC 60335-2-40
9805	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Clearances, Creepage Distances And Solid Insulation	Cl.no.29 of IS/IEC 60335-2-40
9806	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Construction	Cl.no.22 of IEC 60335-2-40
9807	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Construction	Cl.no.22 of IS/IEC 60335-2-40

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 664 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9808	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Heating	Cl.no.11 of IEC 60335-2-40
9809	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Heating	Cl.no.11 of IS/IEC 60335-2-40
9810	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Internal Wiring	Cl.no.23 of IEC 60335-2-40
9811	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Internal Wiring	Cl.no.23 of IS/IEC 60335-2-40
9812	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Leakage current and electric strength	Cl.no.16 of IEC 60335-2-40
9813	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Leakage current and electric strength	Cl.no.16 of IS/ IEC 60335-2-40
9814	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Leakage current and electric strength at operating temperature	Cl.no.13 of IEC 60335-2-40
9815	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Leakage current and electric strength at operating temperature	Cl.no.13 of IS/IEC 60335-2-40
9816	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Marking And Instructions	Cl.no.7 of IS/IEC 60335-2-40
9817	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Mechanical Strength	Cl.no.21 of IEC 60335-2-40
9818	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Mechanical Strength	Cl.no.21 of IS/IEC 60335-2-40
9819	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Moisture resistance	Cl.no.15 of IEC 60335-2-40
9820	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Moisture resistance	Cl.no.15 of IS/IEC 60335-2-40
9821	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Overload Protection Of Transformers And Associated Circuits	Cl.no.17 of IEC 60335-2-40

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 665 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9822	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Overload Protection Of Transformers And Associated Circuits	Cl.no.17 of IS/IEC 60335-2-40
9823	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Power Input And Current	Cl.no.10 of IEC 60335-2-40
9824	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Power Input And Current	Cl.no.10 of IEC 60335-2-40
9825	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Power Input And Current	Cl.no.10 of IS/IEC 60335-2-40
9826	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Power Input And Current	Cl.no.10 of IS/IEC 60335-2-40
9827	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Protection Against Access To Live Parts	Cl.no.8 of IEC 60335-2-40
9828	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Protection Against Access To Live Parts	Cl.no.8 of IS/IEC 60335-2-40
9829	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Provision For Earthing	Cl.no.27 of IEC 60335-2-40
9830	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Provision For Earthing	Cl.no.27 of IS/IEC 60335-2-40
9831	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Resistance To Heat And Fire	Cl.no.30 of IEC 60335-2-40
9832	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Resistance To Heat And Fire	Cl.no.30 of IS/IEC 60335-2-40
9833	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Resistance To Rusting	Cl.no.31 of IEC 60335-2-40
9834	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Resistance To Rusting	Cl.no.31 of IS/IEC 60335-2-40
9835	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Screws And Connections	Cl.no 28 of IEC 60335-2-40

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 666 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9836	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Screws And Connections	Cl.no.28 of IS/IEC 60335-2-40
9837	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Stability And Mechanical Hazards	Cl.no.20 of IEC 60335-2-40
9838	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Stability And Mechanical Hazards	Cl.no.20 of IS/IEC 60335-2-40
9839	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Supply Connection And External Flexible Cords	Cl.no.25 of IEC 60335-2-40
9840	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Supply Connection And External Flexible Cords	Cl.no.25 of IS/IEC 60335-2-40
9841	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Terminals For External Conductors	Cl.no.26 of IEC 60335-2-40
9842	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Terminals For External Conductors	Cl.no.26 of IS/IEC 60335-2-40
9843	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Transient Over Voltage	Cl.no.14 of IEC 60335-2-40
9844	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Transient Over Voltage	Cl.no.14 of IS/IEC 60335-2-40
9845	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Verification of Classification	Cl.no.6 of IEC 60335-2-40
9846	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Verification of Classification	Cl.no.6 of IS/IEC 60335-2-40
9847	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Verification of Components	Cl.no.24 of IEC 60335-2-40
9848	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Verification of Components	Cl.no.24 of IS/IEC 60335-2-40
9849	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances: Electrical heat pumps, air-conditioners and Dehumidifiers	Toxicity and similar hazard	Cl.no.32 of IS/IEC 60335-2-40

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 667 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9850	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Household and similar electrical appliances: Particular requirements for electrical heat pumps, air-conditioners and Dehumidifiers	Toxicity and similar hazard	Cl.no.32 of IEC 60335-2-40
9851	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Light Commercial Air conditioners (Cooling Capacity above 10.5 kW up to and including 18 kW	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl.No. 5.1 of BEE Schedule – 24
9852	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Light Commercial Air conditioners (Cooling Capacity above 10.5 kW up to and including 18 kW	Maximum Operating Conditions Test	Cl.No. 5.4 of BEE Schedule – 24
9853	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Light Commercial Air conditioners (Cooling Capacity above 10.5 kW up to and including 18 kW	METHOD OF MEASUREMENT OF ISEER	Cl.No.4 of BEE Schedule – 24
9854	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Light Commercial Air conditioners (Cooling Capacity above 10.5 kW up to and including 18 kW	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No. 5.2 of BEE Schedule – 24
9855	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Light Commercial Air conditioners (Cooling Capacity above 10.5 kW up to and including 18 kW)	Power Factor Test	Cl.No. 5.3 of BEE Schedule – 24
9856	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test, Cooling Capacity Calculation, - AIRFLOW MEASUREMENT (Indoor Air Enthalpy test method)	Cl. No. 9.9 ,Cl.No.10.1,Cl.No.15.3.1(a), Annex F of IS 1391 (Part 2) + A1+A2+A3+A4
9857	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Freeze Up Test , Air Blockage Test , Drip Test	Cl. 9.5 ,Cl. 9.5.3 , Cl. 9.5.4, Cl.No. 15.3.1(e) of IS 1391 (Part 2) + A1+A2+A3+A4
9858	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heat Pump Heating Capacity Test , Heating Capacity Calculation, (Indoor Air Enthalpy test method)	Cl. No.9.11,Cl.No.10.2, Cl No. 15.3.1(h) of IS 1391 (Part 2) + A1+A2+A3+A4
9859	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Operating Conditions Test	Cl. No.9.4,Cl.No.15.3.1(d) of IS 1391 (Part 2) + A1+A2+A3+A4
9860	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No.9.7 ,Cl.No.15.3.1(g)of IS 1391 (Part 2) + A1+A2+A3+A4
9861	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Power Consumption Test For Heating by Heat Pump (Indoor Air Enthalpy test method)	Cl.No. 9.8, Cl.No.15.3.1(g) of IS 1391 (Part 2) + A1+A2+A3+A4
9862	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Power Factor Test	Cl. No.9.3,Cl.15.3.1(c) of IS 1391 (Part 2) + A1+A2+A3+A4

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 668 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9863	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Pressure Test or Leakage Test	Cl.no.15.2.2,Cl.No.15.4.2 of IS 1391 (Part 2) + A1+A2+A3+A4
9864	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Rating and Test Conditions for Cooling Capacity Test , Maximum Operating Test , Freeze Up Test , Enclosure Sweat Test , Heating Capacity Test , Heating by heat Pump Overload Capacity rating Test (Maximum Heating Performance Test)	Cl. No. 8.1.1, Cl. 8.1.2, Cl. 8.1.3, Cl. 8.1.4 , Cl. 8.2.1 ,Cl. 8.2.2 of IS 1391 (Part 2) + A1+A2+A3+A4
9865	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Safety conditions for units using A3 refrigerants	Cl. No. 9.2 of IS 1391 (Part 2) + A1+A2+A3+A4
9866	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Motors (Power Input and Speed Measurement Test for BLDC Motors)	Cl. No. 5.10 of IS 1391 (Part 2) + A1+A2+A3+A4
9867	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Noise Test(Sound Test)	Cl. No. 9.10 & Cl.14, Cl.No. 15.3.1(k) of IS 1391 (Part 2) + A1+A2+A3+A4
9868	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	Provision for earthing (Earth Resistance Test)	Cl.15.3.3(c) Cl.No.15.2.5 of IS 1391 (Part 2) + A1+A2+A3+A4
9869	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	Electric strength test	Cl. No. 15.3.3(b) of IS 1391 (Part 2) + A1+A2+A3+A4
9870	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	Electrical leakage current at operating temperature	Cl. 15.3.3(d) of IS 1391 (Part 2) + A1+A2+A3+A4
9871	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	Protection against access to the live part	Cl. No. 15.3.3(a) of IS 1391 (Part 2) + A1+A2+A3+A4
9872	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	Enclosure Sweat Test	Cl. No. 9.6, Cl.No.15.3.1(f) of IS 1391 (Part 2) + A1+A2+A3+A4
9873	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps	High Voltage Test	Cl. No. 15.2.3 of IS 1391 (Part 2) + A1+A2+A3+A4
9874	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Air Filter	Cl. No.5.7 of IS 1391 (Part 2) + A1+A2+A3+A4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	669 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9875	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	General Running Test	Cl. No.15.2.1 of IS 1391 (Part 2) + A1+A2+A3+A4
9876	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Leakage Current Test	Cl. No. 15.2.4 ,Cl.No 15.4.3 of IS 1391 (Part 2) + A1+A2+A3+A4
9877	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Marking	Cl.No.17 of IS 1391 (Part 2) + A1+A2+A3+A4
9878	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	Cl.No.9.13,Cl.No.15.3.1(j) of IS 1391 (Part 2) + A1+A2+A3+A4
9879	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	METHOD OF MEASUREMENT OF ISEER -Method of Measurement of Indian Seasonal Energy Efficiency Ratio (ISEER) - ISEER Calculation	Cl. No. 9.12, Cl.8.3 ,Annex J of IS 1391 (Part 2) + A1+A2+A3+A4
9880	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Performance Test (Cooling capacity, Power consumption, voltage, current, power factor & temperature measurements)	Cl. No. 15.4.1 of IS 1391 (Part 2) + A1+A2+A3+A4
9881	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Vacuum Test	Cl. No.5.2.2 of IS 1391 (Part 2) + A1+A2+A3+A4
9882	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	1. Cooling Overload Test , 2. Cooling Low , Temperature Test and Freezing Draft Interference Test , 3. Condensate Treatment and Exposure Test	Cl.no.5.2, Cl.no.5.3,Cl.no.5.5 of JIS B 8615-1
9883	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	1. Maximum Cooling Performance Test , 2. Minimum Cooling, Freeze-up Air Blockage & Freeze-up Drip Performance Test, 3.Condensate Control and Enclosure Sweat Performance Test	Cl.no.5.2,Cl.no.5.3,Cl.no.5.5 of GB/T 7725(ISO 5151)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	670 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9884	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	1. Maximum Operating Condition Test (Cooling) , 2.Freeze-up Test , 3.Evaporator Air Blockage Test , 4. Enclosure Sweat Test , 5.Condensate Disposal Test , 6. Maximum Operating , Condition Test (Heating)	Cl.No.6.12,Cl.No.6.13 ,Cl.No.6.13.1,Cl.No.6.14, Cl.No.6.15, Cl.No.7.5 of ANSI/AHAM RAC-1
9885	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	1. Maximum Operating Condition Test , 2. Freeze-up Test , 3. Enclosure Sweat Test, 4.Condensate Disposal Test, 5. Noise Test	Cl.No.12, Cl.No.18, Cl.No.19, Cl.No.20, Cl.No.23 of SASO 385 (GS 1006), SASO 2663 of
9886	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Automatic Defrost Performance Test	Cl. No. 6.4 of AS/NZS 3823.1.1
9887	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Automatic Defrost Performance Test	Cl. No. 6.4 of UAE.S/ISO 5151
9888	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Automatic Defrost Performance Test	Cl.No.6.4 of ISO 5151+Amd1
9889	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Condensate Control Enclosure Sweat Performance Test	Cl. No. 5.5 of AS/NZS 3823.1.1
9890	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Condensate Control Enclosure Sweat Performance Test	Cl. No. 5.5 of UAE.S/ISO 5151, UAE.S 5010-1
9891	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Condensate Control Enclosure Sweat Performance Test	Cl. No.5.5 of ISO 5151/Amd1
9892	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 13 of SASO 385 (GS 1006), SASO 2663

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 671 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9893	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 5.1 of GB/T 7725(ISO 5151)
9894	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 5.1 of JIS B 8615
9895	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 6.1 of ANSI/AHAM RAC-1
9896	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 8.5 of ASHRAE 16
9897	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 5.1 of AS/NZS 3823.1.1
9898	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 5.1 of UAE.S/ISO 5151
9899	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No.5.1 of ISO 5151/Amd1
9900	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Electrical Input Test (Heat Pump)	Cl. No. 7.3 of ANSI/AHAM RAC-1
9901	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Electrical Input Test for cooling	Cl. No. 6.2 of ANSI/AHAM RAC-1
9902	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 6.1 of AS/NZS 3823.1.1
9903	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 6.1 of UAE.S/ISO 5151

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	672 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9904	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. no. 7.2 of ANSI/AHAM RAC-1
9905	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. No.6.1 of ISO 5151/Amd1
9906	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 8.6 of ASHRAE 16
9907	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl.No. 14 of SASO 385 (GS 1006), SASO 2663
9908	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Cooling Performance Test	Cl. No. 5.2 of AS/NZS 3823.1.1
9909	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Cooling Performance Test	Cl. No.5.2 of ISO 5151/Amd1
9910	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Cooling Performance Test	Cl. No.5.2 of UAE.S/ISO 5151
9911	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	Cl. No. 6.2 of AS/NZS 3823.1.1
9912	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	Cl. No. 6.2 of UAE.S/ISO 5151
9913	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	Cl. No.6.2 of ISO 5151/Amd1
9914	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Cooling Freeze Up Air Blockage and Freeze Up Drip Test Performance Test	Cl. No. 5.3 ,Cl.5.4 of AS/NZS 3823.1.1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	673 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9915	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Cooling Freeze Up Air Blockage and Freeze Up Drip Test Performance Test	Cl. No. 5.3 ,Cl.5.4 of ISO 5151/Amd1
9916	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Cooling Freeze Up Air Blockage and Freeze Up Drip Test Performance Test	Cl. No.5.3 ,Cl.5.4 of UAE.S/ISO 5151
9917	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Heating Performance Test	Cl. No. 6.3 of AS/NZS 3823.1.1
9918	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Heating Performance Test	Cl. No. 6.3 of UAE.S 5010-1
9919	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Heating Performance Test	Cl.No.6.3 of ISO 5151/Amd1
9920	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Test for Electric Power Consumption and Power Factor, Electric Power Consumption for cooling	Cl. No. 15, 15.1 of SASO 385 (GS 1006), SASO 2663
9921	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	1. Maximum Operating Condition Test , 2. Freeze-up Test , 3. Enclosure Sweat Test, 4.Condensate Disposal Test, 5. Noise Test	Cl.No.12, Cl.No.18, Cl.No.19, Cl.No.20, Cl.No.23 of SASO 385 (GS 1006), SASO 2663 of
9922	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Standard cooling capacity tests , Calculation and Test Condition (Indoor Air Enthalpy test method)	Cl. No. 5.2 , Cl.5.3.1, Cl.6.1 of ISO 16358-1
9923	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Automatic Defrost Performance Test	Cl. No. 6.4 of UAE.S 5010-1
9924	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 5.1 of UAE.S 5010-1

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5100
Page No	674 of 687
Validity	19/11/2021 to 18/11/2023
Last Amended on	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9925	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Heating Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 6.1 UAE.S 5010-1
9926	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Cooling Performance Test	Cl. No.5.2 of UAE.S 5010-1
9927	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Maximum Heating Performance Test	Cl. No. 6.2 of UAE.S 5010-1
9928	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Cooling Freeze Up Air Blockage and Freeze Up Drip Test Performance Test	Cl. No.5.3 ,Cl.5.4 of UAE.S 5010-1
9929	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room Air-Conditioner (Windows Type Air Conditioners, Split Air conditioner including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split & Heat Pumps)	Minimum Heating Performance Test	Cl. No. 6.3 of UAE.S/ISO 5151
9930	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Single-phase split air conditioners including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split of the vapour compression type for household / commercial use up to a rated cooling capacity of 11 kW	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 2.2.2 of BEE Schedule – 3(A) Revision : 1
9931	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Single-phase split air conditioners including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split of the vapour compression type for household / commercial use up to a rated cooling capacity of 11 kW	Maximum Operating Conditions Test	Cl. No. 6 of BEE Schedule – 3(A) Revision : 1
9932	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Single-phase split air conditioners including High wall, Low wall, Floor Standing, Ceiling Cassette, under ceiling split of the vapour compression type for household / commercial use up to a rated cooling capacity of 11 kW	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No. 2.2.1 of BEE Schedule – 3(A) Revision : 1
9933	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split and unitary air conditioners of the vapour compression type for household use up to a rated cooling capacity of 11 kW	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 2.2.2 of BEE Schedule – 3 Revision No. 3
9934	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split and unitary air conditioners of the vapour compression type for household use up to a rated cooling capacity of 11 kW	Maximum Operating Conditions Test	Cl.No. 6 of BEE Schedule – 3 Revision No. 3
9935	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Split and unitary air conditioners of the vapour compression type for household use up to a rated cooling capacity of 11 kW	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No. 2.2.1 of BEE Schedule – 3 Revision No. 3

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	675 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9936	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Electric strength test	Cl. 16.3.3(b) of IS 1391 (Part 1) + A1+A2+A3+A4
9937	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Air Filter	Cl. No. 5.7 of IS 1391 (Part 1) + A1+A2+A3+A4
9938	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Condensate Disposal Test	Cl. No.10.7, Cl. No. 16.3.1(i) of IS 1391 (Part 1) + A1+A2+A3+A4
9939	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Cooling Capacity Test , Cooling Capacity Calculation, Airflow Measurement (Indoor Air Enthalpy test method)	Cl. No. 10.10 ,Cl.11.1,Cl.No 16.3.1(a), Annex F of IS 1391 (Part 1) + A1+A2+A3+A4
9940	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Electrical leakage current at operating temperature	Cl.No.16.3.3(d), of IS 1391 (Part 1) + A1+A2+A3+A4
9941	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Enclosure Sweat Test	Cl. No. 10.6, Cl. No. 16.3.1(f) of IS 1391 (Part 1) + A1+A2+A3+A4
9942	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Freeze Up Test ,Air Blockage Test, Drip Test	Cl. No. 10.5 , Cl. 10.5.3 & Cl. 10.5.4 ,Cl.No. 16.3.1(e) of IS 1391 (Part 1) + A1+A2+A3+A4
9943	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	General Running Test	Cl. No.16.2.1 of IS 1391 (Part 1) + A1+A2+A3+A4
9944	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Heat Pump Heating Capacity Test , Heating Capacity Calculation, (Indoor Air Enthalpy test method)	Cl. No.10.12 ,Cl. 11.2,Cl.No.16.3.1(h) of IS 1391 (Part 1) + A1+A2+A3+A4
9945	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	High Voltage Test	Cl. No. 16.2.3 of IS 1391 (Part 1) + A1+A2+A3+A4
9946	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Leakage Current Test	Cl. No. 16.2.4, Cl.No.16.4.3 of IS 1391 (Part 1) + A1+A2+A3+A4
9947	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Marking	Cl.No.18 of IS 1391 (Part 1) + A1+A2+A3+A4
9948	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Maximum Heating Performance Test	Cl.No.10.14,Cl.No.16.3.1(j) of IS 1391 (Part 1) + A1+A2+A3+A4

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	676 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9949	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Maximum Operating Conditions Test	Cl. No. 10.4,Cl. No.16.3.1(d) of IS 1391 (Part 1) + A1+A2+A3+A4
9950	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	METHOD OF MEASUREMENT OF ISEER -Method of Measurement of Indian Seasonal Energy Efficiency Ratio (ISEER) - ISEER Calculation (Indoor Air Enthalpy test method)	Cl. No. 10.13 ,Cl.9.3 ,Cl. 11.3, (Annex J) of IS 1391 (Part 1) + A1+A2+A3+A4
9951	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Motors (Power Input and Speed Measurement Test for BLDC Motor)	Cl. No. 5.10 of IS 1391 (Part 1) + A1+A2+A3+A4
9952	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Noise Test (Sound Test)	Cl. No. 10.11 & Cl.15,Cl.No.16.3.1(k) of IS 1391 (Part 1) + A1+A2+A3+A4
9953	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No.10.8,Cl.No.16.3.1(g) of IS 1391 (Part 1) + A1+A2+A3+A4
9954	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Power Consumption Test For Heating by Heat Pump (Indoor Air Enthalpy test method)	Cl. No.10.9,Cl.No.16.3.1(g) of IS 1391 (Part 1) + A1+A2+A3+A4
9955	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Power Factor Test	Cl. No. 10.3,Cl.No.16.3.1(c) of IS 1391 (Part 1) + A1+A2+A3+A4
9956	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Pressure Test or Leakage Test	Cl.No.16.2.2,Cl.No.16.4.2 of IS 1391 (Part 1) + A1+A2+A3+A4
9957	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Protection against access to the live part	Cl.No.16.3.3(a) of IS 1391 (Part 1) + A1+A2+A3+A4
9958	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Provision for earthing (Earth Resistance Test)	Cl.16.3.3(c),Cl.No.16.2.5 of IS 1391 (Part 1) + A1+A2+A3+A4
9959	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Rating and Test Conditions for Cooling Capacity Test , Maximum Operating Test , Freeze Up Test , Enclosure Sweat Test , Condensate Disposal Test , Heating Capacity Test Conditions , Heating by heat Pump Overload Capacity rating Test Conditions (Maximum Heating Performance Test)	Cl. 9.1.1 , Cl. 9.1.2 , Cl. 9.1.3 , Cl. 9.1.4 , Cl. 9.1.5, Cl. 9.2.1 & Cl. 9.2.2 of IS 1391 (Part 1) + A1+A2+A3+A4

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 677 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9960	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Safety Conditions for units using A3 refrigerants	Cl. No.10.2 of IS 1391 (Part 1) + A1+A2+A3+A4
9961	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners -(Windows Type Air Conditioners)	Vacuum Test	Cl. No.5.2.2 of IS 1391 (Part 1) + A1+A2+A3+A4
9962	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Unitary Air Conditioners-(Windows Type Air Conditioners)	Performance Test (Cooling capacity, Power consumption, voltage, current, power factor & temperature measurements)	Cl. No.16.4.1 of IS 1391 (Part 1) + A1+A2+A3+A4
9963	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Variable capacity air conditioners cooling capacity up to 10.5kW (Split and unitary Air conditioner including High wall, Low wall, Floor Standing, Windows, Ceiling Cassette, under ceiling split	Cooling Capacity Test (Indoor Air Enthalpy test method)	Cl. No. 4.2.2 of BEE Schedule – 19
9964	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Variable capacity air conditioners cooling capacity up to 10.5kW (Split and unitary Air conditioner including High wall, Low wall, Floor Standing, Windows, Ceiling Cassette, under ceiling split	Maximum Operating Conditions Test	Cl.No. 4.2.4 of BEE Schedule – 19
9965	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Variable capacity air conditioners cooling capacity up to 10.5kW (Split and unitary Air conditioner including High wall, Low wall, Floor Standing, Windows, Ceiling Cassette, under ceiling split	METHOD OF MEASUREMENT OF ISEER	BEE Schedule – 19
9966	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Variable capacity air conditioners cooling capacity up to 10.5kW (Split and unitary Air conditioner including High wall, Low wall, Floor Standing, Windows, Ceiling Cassette, under ceiling split	Power Factor Test	Cl. No. 4.2.5 of BEE Schedule – 19
9967	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Variable capacity air conditioners cooling capacity up to 10.5kW (Split and unitary Air conditioner including High wall, Low wall, Floor Standing, Windows, Ceiling Cassette, under ceiling split)	Power Consumption Test For Cooling (Indoor Air Enthalpy test method)	Cl. No. 4.2.1 of BEE Schedule – 19
9968	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Bursting test	Cl. No.6.1.7 of IS 10617+A1
9969	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Holding test	Cl.No.6.2 of IS 10617+A1
9970	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Locked Rotor Test and Locked Rotor Test with Accessories	Cl. No.6.1.3, Cl.no.8 of IS 10617+A1
9971	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Pneumatic test of shell	Cl.No.6.1.6 , Cl.6.3(c) of IS 10617+A1

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 678 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9972	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Resistance to rusting	Cl.No.9 & Annex B of IS 10617+A1
9973	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Running Overload Test	Cl.No.7 of IS 10617+A1
9974	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Running Overload test (Temperature Measurement)	Cl.No.7 of IS 10617+A1
9975	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressor	Start ability Test	Cl.No.6.1.2 of IS 10617+A1
9976	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hermetic Compressors	Compressor Performance test (refrigerating capacity , COP)	Cl. No.6.1.1, Cl. 5.1 of IS 10617+A1 IS 5111/ ISO 917
9977	PHOTOMETRY-GLASSES/MIRRORS	Method of Measurement of Centre Beam Intensity and Beam Angle(s) of Reflector lamps	Measurement Of Centre Beam Intensity and Beam Angle(S)	IEC TR 61341
9978	PHOTOMETRY-GLASSES/MIRRORS	Method of Measurement of Centre Beam Intensity and Beam Angle(s) of Reflector lamps	Measurement Of Centre Beam Intensity and Beam Angle(S)	IEC TR 61341
9979	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Test for Electrical, Luminous and Color Characteristics - Chromaticity Co-ordinates	Cl. No.7.6, 7.7 of IS 2418 (Part 2)
9980	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Aircraft Lamps	Initial Rating Test	Cl.No. 6.3 of IS 8685
9981	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Aircraft Lamps	Initial Rating Test	Cl. No. 6.3 of IS 8685
9982	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Aircraft Lamps	Life Test	Cl.No. 6.5 of IS 8685
9983	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Initial rating	Cl. No. 4.2 of IS 1606
9984	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Initial rating	Cl. No. 4.2 of IS 1606
9985	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Initial rating	Cl. No. 4.2 of IS 1606

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 679 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
9986	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Initial rating	Cl. No. 4.2 of IS 1606
9987	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Life performance	Cl. No. 4.3 of IS 1606
9988	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Automobile Lamps	Life performance	Cl. No. 4.3 of IS 1606
9989	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Electrical lamps for Railway Signaling	Initial Readings	Cl. No. 6.3 of IS 9589
9990	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Electrical lamps for Railway Signaling	Initial Readings	Cl. No. 6.3 of IS 9589
9991	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Electrical lamps for Railway Signaling	Life and Lumen Maintenance	Cl. No. 6.4 of IS 9589
9992	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Electrical lamps for Railway Signaling	Life and Lumen Maintenance	Cl. No. 6.4 of IS 9589
9993	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	GLS Lamps (Performance Requirements)	Characteristics & tolerances of initial readings	Cl. No.8 of IS 418
9994	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	GLS Lamps (Performance Requirements)	Life Test requirements	Cl.No.10 of IS 418
9995	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	GLS Lamps (Performance Requirements)	Lumen Maintenance	Cl. No.9 of IS 418
9996	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	GLS Lamps (Performance Requirements)	Characteristics & tolerances of initial readings	Cl.No.8 of IS 418
9997	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	GLS Lamps (Performance Requirements)	Life Test requirements	Cl. No.10 of IS 418
9998	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	High Pressure Mercury Vapour Lamps	Test for life performance	Cl. No. 8 of IS 9900 (Part 1)
9999	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	High Pressure Sodium Vapor Lamps	Test for life performance	Cl. No.10 of IS 9974 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 680 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10000	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Metal Halide Lamps	Colour characteristics	Cl.No. 4.8 of IS 16148
10001	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Metal Halide Lamps- Performance	Lumen maintenance and Life	Cl. No. 4.9 of IS 16148
10002	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Metal Halide Lamps- Performance	Photometric characteristics	Cl.No. 4, 4.7, 4.8, 4.9 of IS 16148
10003	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self ballasted lamps for general lighting services (Performance Requirements)	Colour	Cl. No.11 of IS 15111 (Part 2)
10004	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self ballasted lamps for general lighting services (Performance Requirements)	Luminous Flux	Cl. No.10 of IS 15111 (Part 2)
10005	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Lamp Efficacy	Cl. No.15 of IS 15111 (Part 2)
10006	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Lamp Efficacy	Cl. No.15 of IS 15111 (Part 2)
10007	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Life	Cl. No. 13 of IS 15111 (Part 2)
10008	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self Ballasted Lamps for General Lighting Services	Lumen Maintenance	Cl. No. 12 of IS 15111 (Part 2)
10009	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self ballasted lamps for general lighting services (Performance Requirements)	Colour	Cl. No.11 of IS 15111 (Part 2)
10010	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services	Luminous Intensity Distribution, Peak Intensity and Beam Angle	Cl. No. 9.2 of IEC 62612
10011	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services	Luminous flux	Cl. No. 9.1 of IS 16102(Part-2)
10012	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services	Luminous flux	Cl. No. 9.1 of IEC 62612
10013	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services	Luminous Intensity Distribution, Peak Intensity and Beam Angle	Cl. No. 9.2 of IS 16102(Part-2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	681 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10014	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Color Variation Categories	Cl. No.10.1 of IS 16102(Part-2)
10015	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Colour Rendering Index (CRI)	Cl.No.10.2 of IS 16102(Part-2)
10016	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Lamp Life - Endurance test for Built-in Electronic Ballast	Cl. No.11 ,11.3 of IS 16102(Part-2)
10017	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Lamp Life - Lumen Maintenance	Cl. No 11, 11.2 of IS 16102(Part-2)
10018	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Lamp Life - Endurance test for Built-in Electronic Ballast	Cl. No.11 ,11.3 of IEC 62612
10019	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Lamp Life - Lumen Maintenance	Cl. No 11, 11.2 of IEC 62612
10020	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Color Variation Categories	Cl. No.10.1 of IEC 62612
10021	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Color Variation Categories (chromaticity co-ordinates)	Cl. No.10.1 of IEC 62612
10022	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Color Variation Categories (chromaticity co-ordinates)	Cl. No.10.1 of IS 16102(Part-2)
10023	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Colour Rendering Index (CRI)	Cl.No.10.2 of IEC 62612
10024	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Efficacy	Cl.No.9.3 of IEC 62612
10025	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Efficacy	Cl.No.9.3 of IS 16102(Part-2)
10026	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Efficacy (Luminous flux)	Cl.No.9.3 of IEC 62612
10027	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Self-ballasted LED lamps for general lighting services (Performance Requirements)	Efficacy(Luminous flux)	Cl.No.9.3 of IS 16102(Part-2)

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	682 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10028	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Test for Electrical, Luminous and Color Characteristics - Chromaticity Co-ordinates	Cl. No. 7.6, 7.7 of IS 2418 (Part 2)
10029	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Burning Test	Cl.No. 7.4 of IS 2418 (Part 2)
10030	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Life and Lumen Maintenance	Cl. No. 7.8 of IS 2418 (Part 2)
10031	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Starting Requirements & Starting Characteristics test	Cl. No. 5.2 ,Cl. 7.5 of IS 2418 (Part 2)
10032	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Test for Electrical, Luminous and Color Characteristics - Chromaticity Co-ordinates	Cl. No. 7.6, 7.7 of IS 2418 (Part 2)
10033	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Tubular Fluorescent Lamps for general lighting services	Test for Electrical, Luminous and Color Characteristics - Chromaticity Co-ordinates	Cl. No. 7.6, 7.7 of IS 2418 (Part 2)
10034	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Chromaticity Uniformity Measurements (Chromaticity coordinates)	ANSI/IES LM-79-19
10035	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Chromaticity Uniformity Measurements(CCT&CRI)	ANSI/IES LM-79-19
10036	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Electrical Measurements - AC Current	ANSI/IES LM-79-19
10037	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Electrical Measurements - AC/DC Power	ANSI/IES LM-79-19
10038	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Electrical Measurements -DC Current	ANSI/IES LM-79-19
10039	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Electrical Measurements - Power Factor	ANSI/IES LM-79-19
10040	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Electrical Measurements -Total Harmonics Distortion	ANSI/IES LM-79-19
10041	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Luminous Intensity or Optical Angular Distribution Measurement	ANSI/IES LM-79-19
10042	PHOTOMETRY-LUMINARIES	Approved Method: Optical And Electrical Measurements Of Solid-State Lighting Products	Total Luminous Flux and Integrated Optical Measurements	ANSI/IES LM-79-19

SCOPE OF ACCREDITATION

Laboratory Name :	HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5100	**Page No**	683 of 687
Validity	19/11/2021 to 18/11/2023	**Last Amended on**	26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10043	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Efficacy	Cl. No. 11 of IES LM79-08
10044	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Efficacy	Cl. No. 11 of IES LM79-08
10045	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Intensity Distribution	Cl. No. 10 of IES LM79-08
10046	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Measurement of Color Characteristics	Cl. No. 12 of IES LM79-08
10047	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Measurement of Color Characteristics (CRI)	Cl. No. 12 of IES LM79-08
10048	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Measurement of Color Characteristics (CRI)	Cl. No. 14 of IS 16106
10049	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Efficacy	Cl. No. 13 of IS 16106
10050	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Efficacy	Cl. No. 13 of IS 16106
10051	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Luminous Intensity Distribution	Cl. No. 12 of IS 16106
10052	PHOTOMETRY-LUMINARIES	Electrical and Photometric Measurement of Solid-state Lighting (LED) Products	Measurement of Color Characteristics	Cl. No. 14 of IS 16106
10053	PHOTOMETRY-LUMINARIES	Flood Lights	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No. 17 of IS 10322 (P-5/Sec-5)
10054	PHOTOMETRY-LUMINARIES	Flood Lights	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No.17 of IS 10322 (P-5/Sec-5)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 684 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10055	PHOTOMETRY-LUMINARIES	General Purpose Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No. 17 of IS 10322 (P-5/Sec-1)
10056	PHOTOMETRY-LUMINARIES	General Purpose Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No.17 of IS 10322 (P-5/Sec-1)
10057	PHOTOMETRY-LUMINARIES	LED Luminaries	Chromaticity Coordinate	Cl. No.9.1 of IEC 62717
10058	PHOTOMETRY-LUMINARIES	LED Luminaries	Colour Rendering Index	Cl.No.9.3 of IEC 62722-2-1
10059	PHOTOMETRY-LUMINARIES	LED Luminaries	Correlated Colour Temperature	Cl. No. 9.2 of IEC 62722-2-1
10060	PHOTOMETRY-LUMINARIES	LED Luminaries	Correlated Colour Temperature	Cl.No. 10.2, 10.3 of IEC 62722-2-1
10061	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminaire Efficacy	Cl. No. 8.3 of IEC 62722-2-1
10062	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminaire Efficacy	Cl. No. 8.3 of IEC 62722-2-1
10063	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminaire Efficacy	Cl.No. 8.1 of IEC 62722-2-1
10064	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminous Intensity Distribution, Peak Intensity and Beam angle	Cl. No. 8.2 of IS 16107-2-1
10065	PHOTOMETRY-LUMINARIES	LED Luminaries	Colour Rendering Index	Cl.No.9.3 of IS 16107-2-1
10066	PHOTOMETRY-LUMINARIES	LED Luminaries	Correlated Colour Temperature	Cl.No.9.2 of IS 16107-2-1
10067	PHOTOMETRY-LUMINARIES	LED Luminaries	LED Luminaire Life - Lumen Maintenance - Endurance test	Cl.No.10.2, 10.3 of IS 16107-2-1
10068	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminaire Efficacy	Cl. No. 8.3 of IS 16107-2-1

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 685 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10069	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminaire Efficacy	Cl.No. 8.3 of IS 16107-2-1
10070	PHOTOMETRY-LUMINARIES	LED Luminaries	Luminance Flux	Cl. No. 8.1 of IS 16107-2-1
10071	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Color Rendering Index	Cl. No.9.3 of IEC 62717
10072	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Correlated Colour Temperature	Cl. No.9.2 of IEC 62717
10073	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Efficacy	Cl.No.8.3 of IEC 62717
10074	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Chromaticity Coordinate	Cl. No.9.1 of IS 16103 (Part-2)
10075	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Color Rendering Index	Cl. No.9.3 of IS 16103 Part-2)
10076	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Correlated Colour Temperature	Cl. No.9.2 of IS 16103 (Part-2)
10077	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Efficacy	Cl. No.8.3 of IS 16103 (Part-2)
10078	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Efficacy	Cl. No.8.3 of IS 16103 (Part-2)
10079	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Efficacy	Cl. No.8.3 of IEC 62717
10080	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	LED Module life - Lumen Maintenance - Endurance test	Cl. No.10 of IEC 62717
10081	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	LED Module life - Lumen Maintenance - Endurance test	Cl. No.10 of IS 16103 (Part-2)
10082	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Luminous Flux	Cl. No.8.1 of IEC 62717
10083	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Luminous Flux	Cl. No.8.1 of IS 16103 (Part-2)
10084	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Luminous Intensity Distribution, Peak Intensity & Beam angle	Cl.No.8.2 of IS 16103 (Part-2)
10085	PHOTOMETRY-LUMINARIES	LED Modules for General Lightning	Luminous Intensity Distribution, Peak Intensity & Beam angle	Cl.No.8.2 of IEC 62717
10086	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Chromaticity coordinates	Cl. 9.1 of IS 16107 (Part 2/sec 2)

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 686 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10087	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Colour Rendering Index	Cl. 9.3 of IS 16107 (Part 2/sec 2)
10088	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Correlated Colour Temperature	Cl. 9.2 of IS 16107 (Part 2/sec 2)
10089	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	LED Luminaire Life - Minimum rated luminaire lifetime - Lumen Maintenance - Endurance test	Cl. 10, 10.2,10.3,10.4 of IS 16107 (Part 2/sec 2)
10090	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	LED module performance temperature	Cl. 6.2, 6.3 of IS 16107 (Part 2/sec 2)
10091	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Luminance Flux	Cl. 8.1 of IS 16107 (Part 2/sec 2)
10092	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Luminous Intensity Distribution	Cl. 8.3 of IS 16107 (Part 2/sec 2)
10093	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Minimum Luminaire Efficacy	Cl. 8.2 of IS 16107 (Part 2/sec 2)
10094	PHOTOMETRY-LUMINARIES	Luminaires Performance (LED Street Lighting Luminaire)	Minimum Luminaire Efficacy	Cl. 8.2 of IS 16107 (Part 2/sec 2)
10095	PHOTOMETRY-LUMINARIES	Method of measurement of Lumen maintenance of Solid-state Lighting (LED) Sources	Lumen Maintenance Test	Cl. No. 7 of IS 16105
10096	PHOTOMETRY-LUMINARIES	Portable General Purpose Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No. 12, 13.8 of IS 10322 (P-5/Sec-4)
10097	PHOTOMETRY-LUMINARIES	Portable General Purpose Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No.12, 13.8 of IS 10322 (P-5/Sec-4)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI PHYSIX LABORATORY INDIA PRIVATE LIMITED, B-32/1/2, MIDC, INDUSTRIAL AREA, RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5100 **Page No** 687 of 687

Validity 19/11/2021 to 18/11/2023 **Last Amended on** 26/01/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10098	PHOTOMETRY-LUMINARIES	Recessed Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No. 17 of IS 10322 (P-5/Sec 2)
10099	PHOTOMETRY-LUMINARIES	Recessed Luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No.17 of IS 10322 (P-5/Sec 2)
10100	PHOTOMETRY-LUMINARIES	Road & Street Light luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No. 17 of IS 10322 (P-5/Sec-3)
10101	PHOTOMETRY-LUMINARIES	Road & Street Light luminaires	Photometric test (Luminous Flux, Luminous Efficacy, Luminous Intensity Distribution, Intensity/Peak Intensity and Beam Angle, Correlated Colour Temperature, Chromaticity coordinate, CRI)	Cl. No.17 of IS 10322 (P-5/Sec-3)