National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 1 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic 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	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Cross cut Test	ISO 2409
2	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Gloss Test	IS 101 (part 4 , sec 4)
3	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Pencil hardness test	ASTM D3363
4	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Pencil hardness test	IS 101 part 5 sec 1
5	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	resistance to condensation test	ISO 6270 Part 2
6	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Scratch hardness tester	ASTM D5178
7	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	Scratch hardness tester	ISO 1518 part 2
8	CHEMICAL- PAINTS & SURFACE COATING	Pepared painted panels and finished products	UV Test	ISO 16474 — Part 3: Fluorescent UV lamps
9	CHEMICAL- PAINTS & SURFACE COATING	Prepared Painted Panels and Finished Products	Color Measurement Test	ASTM D 2244
10	CHEMICAL- PAINTS & SURFACE COATING	Prepared Painted Panels and Finished Products	Condensation Humidity Test	ASTM D 2247
11	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Conical Mandrel Test (Bend test)	ASTM D522
12	CHEMICAL- PAINTS & SURFACE COATING	Prepared painted panels and finished products	cross cut Test	ISO 2409
13	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Dry Film Thickness Test	ASTM D 7091
14	CHEMICAL- PAINTS & SURFACE COATING	Prepared painted panels and finished products	Gloss at 20, 60, 85 degree	ISO 2813
15	CHEMICAL- PAINTS & SURFACE COATING	Prepared painted panels and finished products	gloss Test	ASTM D523
16	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Gloss Test at 20, 60 and 85 degree	ASTM D 523
17	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Impact test	ASTM D2794
18	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Methyl Ethyl Ketone Test (Solvent Resistance Rub Test)	ASTM D4752

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 2 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic 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	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Pencil hardness test	ISO 15184
20	CHEMICAL- PAINTS & SURFACE COATING	prepared painted panels and finished products	Scratch hardness test	ASTM D2197
21	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	ESD TEST	IEC61000-4-2
22	ELECTRICAL- EMI / EMC TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Immunity to electrostatic discharge (ESD Test)	JASO D 001-94
23	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray test	IEC 60068-2-11
24	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 60068-2-80-Part 280
25	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	JSS 55555: Test Number 28
26	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Altitude Test	JSS 55555: Test Number 3
27	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Atmospheric conditioning Test	ISTA 3E
28	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Bump Test	IS 9000-7(Sec II to Sec IV)
29	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Bump Test	JSS 55555: Test Number 5
30	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Change in Temperature Test/ temp Cycling	IEC 60068-2-38
31	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	IEC 60068-2-30
32	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	MIL-STD-810F: section 507.4
33	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	IEC 60068-2-78

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	3 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic 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-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	JSS 55555: Rev 2-Test Number 10
35	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	MIL - STD 810 C
36	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dewing — Temperature change Test	ISO 12405-1:(E) Sec 8.1
37	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	MIL STD 810G
38	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat / High Temperature Test	IEC 60068-2-2
39	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat Test	IEC 60571 clause 12.2.5
40	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat Test	ISO 16750-4
41	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat Test	JSS 55555: Test Number 17
42	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat Test	MIL STD 810F: Section 501.4
43	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Immersion Test	MIL STD 810G - METHOD 512.5
44	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Impact Test	IEC 61300-2-12
45	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Impact Test	RTCA DO-160
46	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Mechanical shock Test	ISO 12405-1:(E) Sec 8.4
47	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	JIS Z 2371

SCOPE OF ACCREDITATION

Laboratory Name : IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 4 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic 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-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray test	IEC 60068-2-52:
49	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	IEC 60571 Clause No 10.2.10
50	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray test	IS 9000(Part 11):
51	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray Test	JSS 55555: Test Number 9
52	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	MIL STD 810G
53	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	IEC 60068-2-27
54	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	IEC 60571sub Clause No 10.2.11
55	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	IS 9000(Part 7/ sec I:IEC 60068-2-27
56	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	MIL-PRF-28800F class 3
57	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock / Rapid change of Temperature	MIL STD 810G
58	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Tropical Exposure Test	JSS 55555: Test Number 27
59	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 60068-2-6
60	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 60571
61	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IS 9000(Part8)

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	5 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
62	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration test	ISO 2247
63	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	MIL STD 810G
64	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	DIN EN 60068 - Part 26
65	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	ISO 12405
66	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	ISTA 1A, 2A, 3A,3E
67	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	JSS 50101:
68	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	MIL STD-810F- Section 514.5
69	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	JIS D 0203
70	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Spray Test Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	ISO 15003: Sec 5.8.2
71	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Altitude Test	ISO 15003 : Sec 5.9
72	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Altitude Test	MIL STD 810G
73	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Altitude Test	MIL-STD-810F-Section 500.4
74	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Atmospheric conditioning	ISTA 3A
75	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Atmospheric conditioning Test	ISTA 2A

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	6 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Box compression test	ISTA 2A
77	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Bump Test	IEC 60571sub Clause No 10.2.11
78	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Change in Temperature Test/ temp Cycling	ISO 16750-4:
79	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Change in Temperature Test/ temp Cycling	IS 9000(Part 14/ Test Nb Sec 2):
80	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	IEC 60068 2 1
81	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	IEC 60571 clause 12.2.4
82	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	IS 9000 (Part 2):
83	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	JSS 55555 Test Number 20
84	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	MIL STD 810F section 502.4
85	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Cold Test	MIL STD 810G
86	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Combined Temperature & Vibration Test	ISO 16750-3
87	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Connection resistance Test	JASO D616
88	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Connector housing lock strength Test	JASO D616
89	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	CONTAMINATION BY FLUIDS	MIL STD 810G - METHOD 504.1

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	7 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

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90	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	IEC 60571 clause 12.2.6
91	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	IS 9000 (Part 5):
92	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat test	ISO 16750-4
93	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	JSS 55555: Test Number 10
94	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	MIL STD 810G
95	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	DIN EN 60068-2-38 Z/AD (Figure 2a)
96	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	IS 9000 (Part 4)
97	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	JSS 55555: Test Number 10
98	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Damp Heat Test	ISO 15003: Sec 5.3 & 5.4
99	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	ASTM D5276
100	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	IEC 60068-2-31
101	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	IEC-60068-2-32
102	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	JIS C 0044 Part 2
103	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	JIS Z0202

SCOPE OF ACCREDITATION

Laboratory Name : IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 8 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
104	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	JSS 55555: Test Number 13
105	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	ISO 16750-4
106	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Drop Test	ISTA 1A, 2A, 3A,3E
107	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat Test	IS 9000(Part 3):
108	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dry Heat test	MIL STD 810G
109	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection Test - IP1X to IP6X,IP5K, IP6K	IEC 60529
110	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	IEC 60068-2-68
111	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	IS 9000 - 12
112	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	ISO 15003: Sec 5.8.1
113	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	ISO 16750-4
114	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	ISO 20653
115	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Dust Ingress Protection TEST IP1X to IP6X,IP5K, IP6K	JSS 55555: Test Number 14
116	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Gun Fire Shock Test	MIL STD 810G - METHOD 519.6
117	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	High Temperature Test	JASO D 001-94

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	9 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
118	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Immersion Test	JSS 55555: Test Number 14
119	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Impact Test	JSS 55555: Test Number 24
120	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Insulation resistance Test	JASO D616
121	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Leakage Current Test	JASO D616
122	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Low Temp Test	JASO D 001-94
123	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Mechanical shock Test	ISO 15003: Sec 5.5.2
124	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Rain Test	MIL STD 810G - METHOD 506.5
125	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Rain Test	MIL STD 810G - METHOD 506.5
126	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Random Vibration Test	MIL-STD-810F Method 514.5
127	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	ASTM B 117
128	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray test	ISO 15003: Sec 5.7
129	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	ISO 3768
130	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray Test	ISO 9227
131	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	JIS C 0023

SCOPE OF ACCREDITATION

Laboratory Name : IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 10 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
132	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt spray test	IEC 60068-2-11
133	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	MIL 1344A METHOD 1001.1
134	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray test Salt Fog	MIL_STD810G-509.5-II
135	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Salt Spray Test	MIL STD-810F-Section 509.4
136	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISO 16750-3
137	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ASTM D5487
138	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock test	IEC 61373
139	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISO 9022-31-01-0
140	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISTA 1A
141	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISTA 2A
142	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISTA 3A
143	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	ISTA 3E
144	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	JIS C 0912
145	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	JIS C 60068-2-27

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	11 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
146	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	MIL 810 G
147	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	MIL-STD-810F
148	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	MIL STD 810G
149	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Shock Test	DIN EN 60068-2-27
150	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Sine Vibration Test	ASTM 999
151	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Sine Vibration Test	DIN EN 60068 - Part 2-6, Test Fc
152	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Cycling Test	JASO D 001-94
153	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Cycling Test	ISO 15003: Sec 5.2.1
154	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock / Rapid Change of Temperature	IS 9000(Part 14/ Test Na Sec 1):
155	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock / Rapid change of Temperature	ISO 15003: Sec 5.2.2
156	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock/Rapid Change of Temperature	JSS 55555: Test Number 22
157	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock/Rapid Change of Temperature	IS 9000(part 14/sec I & II):
158	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Temperature Shock/Rapid Change of Temperature	MIL STD 810F-Section 503.4
159	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Tensile strength Test	JASO D616

SCOPE OF ACCREDITATION

Laboratory Name : IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10286 **Page No** 12 of 13

Validity 31/01/2022 to 30/01/2024 **Last Amended on** 25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
160	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Terminal retention	JASO D616
161	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Thermal Endurance Test	IEC 60079
162	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Thermal shock cycling Test	ISO 12405-1:(E) Sec 8.2
163	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Thermal Shock Test	JASO D 001-94
164	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Toppling Test	JSS 55555: Test Number 26
165	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Trophical Exposure Test	JSS 55555: Test Number 27
166	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	UV Test	ISO 15003: Sec 5.11
167	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Shock Test	MIL STD 810G - METHOD 516.6
168	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 60068-2-64
169	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 60068-53
170	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	IEC 61373
171	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	MIL 810 E
172	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	ASTM 4169
173	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	ISO 15003: Sec 5.6

SCOPE OF ACCREDITATION

Laboratory Name :	IMPACT TEST AND CALIBRATION LAB, B5, 2ND CROSS, ITI INDUSTRIAL ESTATE, BENGALURU, BENGALURU URBAN, KARNATAKA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-10286	**Page No**	13 of 13
Validity	31/01/2022 to 30/01/2024	**Last Amended on**	25/02/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
174	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	JIS D 1601
175	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration Test	ISO 16750-3-Sections 4.1.2.7-4.1.2.8-ISO 16750-3
176	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Vibration with Temperature Test	ISO 16750-3
177	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	DIN 40050
178	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	IEC 60529
179	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	ISO 20653
180	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Ingress Test	JASO D616
181	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Including Sub Assemblies Accessories and components	Water Spray Test Water Ingress Protection Test for IPX1 to IPX9, IPX4K,IPX6K,IPX9K	ISO 15003: Sec 5.8.2
182	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electro Technical Automotive Apparatus Inluding Sub Assemblies Accessories and components	Temperature Shock / Rapid Change of Temperature	JSS 55555: Rev-2 test number 27