National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PVC-LAB, MICROTEK BALAJI POWERTRONICS PVT. LTD., PLOT NO.12, SECTOR-02, PARWANOO, SOLAN, HIMACHAL PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10146 **Page No** 1 of 2

Validity 17/12/2021 to 16/12/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic 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	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Ageing in Air Oven	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 11)
2	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Cold Bend	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 20)
3	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Conductor Resistance	IS 694, Cl 6.3 of IS 8130, IS 10810 (Part 5)
4	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Flammability	IS 694, Cl 10.4 IS 10810 (Part 53)
5	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Heat Shock	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 14)
6	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	High Voltage at Room Temp	Cl 10.2 IS 694, IS 10810 (Part 45)
7	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Hot Deformation Test	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 15)
8	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Insulation Resistance & Volume Resistivity	Cl 4.1 IS 5831, IS 694, IS 10810 (Part 43)
9	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Loss of mass	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 10)
10	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Shrinkage	IS 694, Cl 4.1 IS 5831, IS 10810 (Part 12)
11	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Tensile Strength & elongation at break	IS 694, Cl.4.1 IS 5831, IS 10810(Part.-7)
12	ELECTRICAL- CABLES & WIRES	PVC Insulated Unsheathed and Sheathed Cables/ Cords With Rigid and Flexible Conductor for Rated Voltages Upto and Including 1100 V	Tensile Test (for aluminum)	Cl 6.2.1 IS 8130, IS 694, IS 10810 (Part 2)
13	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Checking of Dimensions	Cl 9, IS 1293
14	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Classifications	Cl 7, IS 1293

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15	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Construction of Plugs and Portable socket-outlet	Cl 14.1, 14.2,14.3 ,14.15, 14.24, IS 1293
16	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Dimension	Cl 9, IS 1293
17	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Insulation Resistance & Electric Strength	Cl 17.1,17.2,17.3, IS 1293
18	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Marking	Cl 8, IS 1293
19	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Mechanical strength	Cl 24 .2,24.5,24.10, IS 1293
20	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Protection against electric sock	Cl 10.1,10.3 IS 1293
21	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Provision for earthing	Cl 11.1, IS 1293
22	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Ratings	Cl 6, IS 1293
23	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Resistance of insulation material to abnormal heat, to fire and to tracking	Cl 28.1.1, IS 1293
24	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Resistance to ageing, to harmful ingress of water and to humidity	Cl 16.1,16.3, IS 1293
25	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Resistance to heat	Cl 25 .1, 25.4 IS 1293
26	ELECTRICAL- WIRING ACCESSORIES	Non-Rewireable Plug	Temperature Rise	Cl 19.1 IS 1293