National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ROOTS METROLOGY & TESTING LABORATORY, S.F.NO.265, R.K.G INDUSTRIAL ESTATE , GANAPATHY, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6541 **Page No** 1 of 2

Validity 04/02/2022 to 03/02/2024 **Last Amended on** 11/02/2022

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	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Change of Temperature (Temperature Cyclic)	IS 9000 (Part 14 / Sec 1 to 3)
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Change of Temperature (Temperature Cyclic)	ISO 16750-4
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Change of Temperature (Temperature Cyclic)	IEC 60068-2-14
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Thermal Shock Test	IEC 60068-2-14
5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Thermal Shock Test	IS 9000 (Part 14 / Sec 2)
6	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Thermal Shock Test	ISO 16750-4
7	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Vibration Test	IEC 60068-2-64
8	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Vibration Test	IS 9000 (Part 8)
9	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Vibration Test	ISO 16750-3
10	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Cold Test (Low Temperature)	IEC 60068-2-1
11	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Cold Test (Low Temperature)	IS 9000 (Part 2)
12	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Neutral Salt Spray Corrosion Resistance - Salt solution ratio of NaCl	IEC 60068-2-11
13	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Neutral Salt Spray Corrosion Resistance - Salt solution ratio of NaCl	ASTM B117-19

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14	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Neutral Salt Spray Corrosion Resistance - Salt solution ratio of NaCl	IS 9000 (Part 11)
15	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic components	Neutral Salt Spray Corrosion Resistance - Salt solution ratio of NaCl	ISO 9227
16	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Vibration Test	IEC 60068-2-6
17	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronic Components	Vibration Test	SAEJ 1455
18	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Cold Test (Low Temperature)	ISO 16750-4
19	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Damp Heat Test	IEC 60068-2-30
20	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Damp Heat Test	IEC 60068-2-78
21	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Damp Heat Test	IS 9000 (Part 4)
22	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Damp Heat Test	ISO 16750-4
23	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Dry Heat Test (High Temperature)	IEC 60068-2-2
24	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Dry Heat Test (High Temperature)	IS 9000 (Part 3 / Sec 1 to 5)
25	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Dry Heat Test (High Temperature)	ISO 16750-4
26	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Automobile Electrical & Electronics Components	Damp Heat Test	IS 9000 (Part 5 / Sec 1 & 2)