



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Roots Metrology & Testing Laboratory, R.K.G Industrial Estate, Ganapathy, Coimbatore, Tamil Nadu

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6541 **Page 1 of 2**

**Validity** 15.11.2017 to 14.11.2019 **Last Amended on** 09.01.2019

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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### ELECTRICAL TESTING

I.	ENVIRONMENTAL TEST FACILITY			
1.	Automobile Electrical & Electronic components	Cold (Low Temperature)	IS 9000 (Part 2): 1977 (RA 2004) IEC 60068-2-1: 2007 ISO 16750-4: 2010	(-) 65 °C to 25 °C 1000 mm x 1000 mm x 950 mm
		Dry Heat (High Temperature)	IS 9000 (Part 3) : 1977 (RA 2004) IEC 60068-2-2 : 2007 ISO 16750-4: 2010	25 °C to 180 °C 1000 mm x 1000 mm x 950 mm
		Damp Heat Cyclic	IS 9000 (Part 4): 2008 IEC 60068-2-67:1995 IEC 60068-2-78: 2012 ISO 16750-4: 2010	20 % to 95 % RH 20 °C to 60 °C 1000 mm x 1000 mm x 950 mm
		Change of Temperature Temperature cycling	IS 9000 (Part 14): 1988 (RA 2003) IEC60068-2-14: 2009 ISO 16750-4: 2010 (Cl.5.3.1)	(-) 65 °C to 180 °C 1000 mm x 1000 mm x 950 mm
		Vibration	ISO 16750-3: 2007 IS 9000 (Part 8): 1991 IS 9001 (Part 8): 1991 SAEJ1455: 2012	Upto 320 kg 5 Hz to 3000 Hz 100g 2500 kgf Peak Sine 2500 kgf rms Random 2500 kgf Peak Shock
		Thermal Shock	IS 9000 (Part XIV/ Sec 2): 1988 (RA 2003) IEC 60068-2-14: 2009-01 ISO 16750-4: 2010 IS 9000 (Part 3): 1977 (RA 2004) IEC 60068-2-2: 2007-07 IEC 60068-2-1: 2007-03	(-) 65 °C to 150 °C 40 °C to 180 °C 5 °C/min 15 kg 450 mm x 450 mm x 450 mm

Sreeram Pinnamaraju  
Convenor

Alok Jain  
Program Manager



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		Neutral Salt Spray Corrosion Resistance -Salt solution ratio of NaCl	ASTM B117: 16 ISO 9227: 2012 IS 9000 (Part 11) (Procedure 1): 1983 (RA 2007)	4% to 6 % 6.5 pH to 7.2 pH 5 °C to 50 °C Upto 250 kPa 1590 mm x 570 mm x 740 mm

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