Laboratory	**Envitest Laboratories Pvt. Ltd., No.14-1510, Shamanna Reddy Layout, Garvebhavi-Palya, Madiwala Post, Hosur Road, Bangalore, Karnataka**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-7490** **Page 1 of 3**
Validity	**29.06.2018 to 28.06.2020** **Last Amended on --**

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

ELECTRONICS TESTING

I.	**ENVIRONMENTAL TEST FACILITY**			
1.	**Electronics/ Electrical/ Telecom/ Automotive/ Defense/ Military/ Aerospace/ Locomotive Including Sub-Assemblies Accessories and Components**	Sine Vibration Random Vibration Mixed (SOR and ROR)	IEC 60068-2-6 IEC 60068-2-64 QM 333 IS9000 (Part VIII) JSS 55555 MIL-STD-810G Method 514.6 MIL STD 202GMethod 201A, 204D and 214A BS EN IEC 61373 IEC 60068-2-80-Part 2-80 MIL-STD-810F-2000 Section 514.5 ISO 16750-3	Frequency – 5Hz to 2800Hz Acceleration level: Sine Profile - 1g to 90g Displacement: 1mm to 48mm. Random Profile: PSD $2g^2$/Hz \ 38grms Force: 4000Kgf
		Mechanical Shock Half sine, Rectangular/Trapezoidal, Final peak saw tooth, Initial saw tooth	IEC 60068-2-27 QM 333 JSS 55555, MIL-STD-810G Method 514.6 MIL STD 202G method 202D and 213B BS EN IEC 61373 IS 9000(Part 7/ sec I) ISO 16750-3	Acceleration level: upto 90g, Pulse Duration: 2ms to 18 ms
		Cold (Low Temperature)	IEC 60068-2-1 IEC 60068-2-14 IS 9000 (Part 2) IS 9000 (Part 14) BS ISO 16750-4 QM 333	Qualitative. Ambient to: -70 °C. 1m X 1m X1m

Mandeep Kumar
Convenor

Anuja Anand
Program Manager

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			JSS 55555, Revision No. 2: 2000MIL-STD-810G Method 502.5 QM 333	
		Dry Heat (High Temperature)	IEC 60068-2-2 IEC 60068-2-14 IS 9000(Part 3) IS 9000 (Part 14) BS ISO 16750-4 QM 333 JSS 55555 MIL-STD-810G Method 501.5 MIL STD 202G, Method 108A	Qualitative. Ambient to: +175°C. 1m X1mX1m
		Temperature Cycling	IEC 60068-2-14 BS ISO 16750-4 QM 333 MIL STD 202G, Method 107G MIL-STD-810G Method 503.5 JSS 55555 JSS 50101	Qualitative. -70°C to +175°C. Ramp rate 5°C. max 1m X1mX1m
		Humidity Damp Heat Cyclic) Damp Heat (Steady State)	IEC 60068-2-30 IEC 60068-2-78 BS ISO 16750-4 QM 333 JSS 55555, MIL-STD-810G Method 507.5 MIL STD 202G Method 103B	Qualitative. Ambient to 85°C. 10% to 95% RH 1m X1mX1m

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Salt Spray/Mist/ Corrosion Cycling	BS EN ISO 9227 BS ISO 16750-4 BS EN IEC 60068-2-11 QM 333 ASTM B117 JSS 55555 IS 9000 (Part 11): MIL-STD-810FSection 509.4 Salt Fog-MIL-STD-810G-509.5-II MIL-STD-202G Method 101E IEC 60068-2-52	Qualitative. Ambient to 70 °C Humidity : 50 % to 95 % RH Chamber Volume: 300 liters Interior Dimensions: 920Lx620Bx700H mm

Mandeep Kumar
Convenor

Anuja Anand
Program Manager