

**Laboratory**                      **Aanchal Techno Solutions, #19A, 1<sup>st</sup> Cross, 2<sup>nd</sup> Left, Begur Road, Bommanahalli, Bangalore, Karnataka**

**Accreditation Standard**    **ISO/IEC 17025: 2017**

**Certificate Number**        **TC-7419**

**Page 1 of 4**

**Validity**                        **09.07.2019 to 22.06.2020**

**Last Amended on 08.08.2019**

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

**ELECTRONICS TESTING**

<b>I. ENVIRONMENTAL TEST FACILITY</b>				
1.	<b>Mechanical Parts, Made of Plastic Rubber &amp; Metals</b>	Thermal Shock Test	IS 9000 (Part 14 & Sec 1)	Range of Temperature (-) 50 °C to 180 °C Size of Chamber 600x600x600mm Transit Time: <12s
2.	<b>All types of Automobile Equipment, Electrical and Electronic Items</b>	Sine Vibration	IS 9000 (Part 8) IEC 60068-2-27 IEC 60068-2-64: 2008	Frequency: 5 Hz to 3000 Hz Acceleration 0.1g to 100g Displacement upto 90mm
		Random Vibration	IS 9000 (Part 8) IEC 60068-2-27 IEC 60068-2-64: 2008	Frequency 5Hz to 3000Hz Acceleration level: 70 g
		Combination of Sine & Random	IS 9000 (Part 8) IEC 60068-2-27 IEC 60068-2-64 2008	Frequency: 5 Hz to 3000 Hz Acceleration 0.1 g to 100 g Displacement: Upto 90 mm Random Frequency: 5 Hz to 2000 Hz Acceleration level: 70 g
		Shock Vibration	IS 9000 (Part 8) IEC 60068-2-27 IEC 60068-2-64 2008	Acceleration level Upto 50 g for 6 ms And 50 g for 11ms
		High Temperature Storage	IS 9000 (Part 3 & Sec 1 to 5)	Ambient to 180 °C

**Pankaj Goyal**  
Convenor

**Jitendra B. Vispute**  
Program Manager

Laboratory **Aanchal Techno Solutions, #19A, 1<sup>st</sup> Cross, 2<sup>nd</sup> Left, Begur Road, Bommanahalli, Bangalore, Karnataka**

Accreditation Standard **ISO/IEC 17025: 2017**

Certificate Number **TC-7419**

Page 2 of 4

Validity **09.07.2019 to 22.06.2020**

Last Amended on **08.08.2019**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			IEC 60068-2-2	
		Low Temperature Storage	IS 9000 (Part 2 Sec 1 to 4)	-70 °C to Ambient
		Damp Heat Cyclic Storage	IS 9000 (Part 4) IS 9000 (Part 5 Sec 1 to 2) IS 9000 (Part 6) IEC 60068-2-30 IEC 60068-2-78	10 °C to 95 °C 10 % to 95 %
		Thermal Cycles	IS 9000 (Part 6)	-70 °C to 180 °C
		Dust Testing	IS 9000 (Part 12) IEC 60068-2-68	Ambient to 70 °C Particles size - <150µm
3.	For Metallic & Non - Metallic	UV Aging Test	ISO 4892-3 ISO 11507	(UV Wavelength) UVA: 315 nm to 400nm) (UV Wavelength) UVB: 280 nm to 400 nm Temperature: Ambient to 70 °C
4.	Button Life Tester	Button Or Switch Testing	ASTM 1578-07	1-60 times/min, 1million key press 1 N to 7 N

Laboratory                      Aanchal Techno Solutions, #19A, 1<sup>st</sup> Cross, 2<sup>nd</sup> Left, Begur Road,  
Bommanahalli, Bangalore, Karnataka

Accreditation Standard      ISO/IEC 17025: 2017

Certificate Number          TC-7419

Page 3 of 4

Validity                          09.07.2019 to 22.06.2020

Last Amended on 08.08.2019

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

**MECHANICAL TESTING**

I.	AUTOMOTIVE COMPONENTS			
1.	Electrical & Electronics, Mechanical Parts, Made of Plastic Rubber & Metals	Thermal Shock Test	IS 9000 (Part 14 & Sec. 1)	Range of Temperature (-) 40 °C to (+) 170 °C Size of Chamber 600x600x600 mm Transit Time: 12s

---

Pankaj Goyal  
Convenor

---

Jitendra B. Vispute  
Program Manager

**Laboratory**                      **Aanchal Techno Solutions, #19A, 1<sup>st</sup> Cross, 2<sup>nd</sup> Left, Begur Road, Bommanahalli, Bangalore, Karnataka**

**Accreditation Standard**    **ISO/IEC 17025: 2017**

**Certificate Number**        **TC-7419**

**Page 4 of 4**

**Validity**                        **09.07.2019 to 22.06.2020**

**Last Amended on 08.08.2019**

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