



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SITEC LAB  
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MECHANICAL

Valid To: February 28, 2027

Certificate Number: 5134.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on aerospace, automotive, communication, construction, electrical, electronic, renewable energy products:

<b>Test Description</b>	<b>Parameters<sup>1</sup></b>	<b>Test Method(s)<sup>1</sup></b>
<b><i>Temperature and Humidity</i></b>		
Testing of resistance to environmental cycle tests	Range – -70 °C to +190 °C 20% RH to 95% RH	PV 1200; IEC 60068-2-30; ISO 16750 4 Sec, 5.1, 5.2; TL 956 Sec. 7.9, 7.11; TSC 1224G Sec. 6.2.1, 6.2.2, 6.2.4, 6.2.8; GMW 3172; GMW 14444; NES M 0132; USCAR-21 Sec.4.5.4; MIL-STD-810, Methods 501, 502, 507; UL 2580 Sec.39
<b><i>Thermal Shock</i></b>		
	Range – -60 °C to +150 °C	IEC60068-2-38; IEC600068-2-14; ISO 16750-4 Sec. 5.3; TSC122 4G Sec. 6.2.3; MES PW 6760 1B; CS 00056, 5.3.5; CTS0073 (PACCAR); MES PA 67001D 7.6.3; MES PA 67-22A, 7.5.2; USCAR-21 Sec.4.5.5 ; MIL-STD-810, Method 503

<b>Test Description</b>	<b>Parameters<sup>1</sup></b>	<b>Test Method(s)<sup>1</sup></b>
<b>Corrosion</b>		
Neutral Salt Spray (Fog)	5% Salt Fog, 100% Condensed Humidity 35°C to 50 °C	ASTM B117; ISO 9227; NES 0007 Sec. 33; TS1229G, Sec 5.2.5; TL 956 Sec. 7.8; MIL-STD-810, Method 509; UL 2580 Sec.40
<b>Vibration</b>		
Multiple Axis Vibration with Environment Sinusoidal, Sine Resonance, Resonance Search and Dwell Broadband Random Classical Shock	Frequency Range – 2.5 Hz to 3000 Hz Displacement – 51mm Pk-Pk Force – 60kN Shock – up to 100 G, 11ms Temperature Range – -70 °C to 190 °C	IEC 60068-2-6; IEC 60068-2-27; IEC 60068-2-64; ASTM D 4169; GMW 3172; TL 956 Sec.6.5; VW 80200; PF -12742 Sec.3.4.1.1, 3.4.2, 3.4.3; TL 956 Sec. 7.5; MIL-STD 810, Methods 514, 516; UL 2580 Sec.35
<b>Dust Test</b>		
	0 s to 120 s 0 psi to 150 psi	FMVSS 108 Appendix D; SAE J575; TL 956 Sec. 7.12; JIS D5500 Sec. 7.8
<b>Electrical</b>		
	DC Voltage – Generate: 0 to 160 DC Current Measure: (10p to 400) A160 Max DC current 110 A Resistance Measure: 1μΩ to 100 MΩ Voltage Measure: 1μ to 1000 VDC 0 to 600 VAC AC Current Measure: (100p to 400) A	USCAR-21 Sec.4.5.2; TS1229G, Sec. 6.2.10; SAE J 577; TL 956 Sec. 7.11; BMW GS 95024; VW 80000, Sec. 7; ISO 16750; MBN 10567:2018-03
<b>Shock Test</b>		
	750 rpm Tension 0 V to 310	FMVSS 108 Appendix B

<b>Test Description</b>	<b>Parameters<sup>1</sup></b>	<b>Test Method(s)<sup>1</sup></b>
<b><i>Water Resistance</i></b>		
	IPX 1, 2, 3, 4, 5, 6, 6K, 7 and 9 K	ISO 20653; IEC 60529; IEC 60068 2 18 Sec.6 Method Rb 2.; VW 8000, Sec. 5.6.10; TSC 0511G Sec. 8.10
<b><i>Diving Test</i></b>		
	200 mm	MBN 10355 Section 10.2
<b><i>Solar Radiation / Simulation</i></b>		
	-10 °C to + 120 °C 250 Watt Infrared Lamp Irradiance ≥ 1000 W/m <sup>2</sup>	GMW 14906 Sec. 4.9.3.8, 4.9.3.9; MIL-STD-810, Method 505; DIN 75220 Sec 7.2.3; PF 90078, sec. 5.3.3; TSM05026 Sec. 4.1 Method B; TSF77556 Sec. 4.3; 26550NDS00 Sec 3.6.28-1, 3.6.28-2; PR266
<b><i>Cross Hatch (Cross-cut) Adhesion Tape Test</i></b>		
	0 µm - 250 µm	ASTM D3359; ISO 2409
<b><i>Tensile / Compression</i></b>		
	Capacity – 5 N to 19 kN Test Speed 0.1-300 mm/min	USCAR 21 Sec. 4.4; ISO 6892; ASTM D695; ASTM E8/E8M; PF.90051 Section 6.3.2

<sup>1</sup>This scope meets A2LA's *P112 Flexible Scope Policy*



# Accredited Laboratory

A2LA has accredited

**SITEC LAB**

*Querétaro, Mexico*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 27<sup>th</sup> day of January 2025.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5134.01  
Valid to February 28, 2027

*For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical «field» Scope of Accreditation.*