



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Environment Associates, Inc.

9604 Variel Avenue
Chatsworth, CA 91311

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 13 June 2027

Certificate Number: L2140



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Environment Associates, Inc.
9604 Variel Avenue
Chatsworth, CA 91311
Q.A. Director/Q.A. Rep – Steve Hollinger
818 709 0568

TESTING

Valid to: **June 13, 2027**

Certificate Number: **L2140**

Environmental Simulation

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Thermal (-180 to 300) °C	MIL-STD-202 Methods: 107 MIL-STD-883 Method: 1011 MIL-STD-810 Methods: 501, 502, 503, 524 IEC 60068-2-1, 2-2, 2-14 RTCA/DO 160	Various	Cycling Temperature, Temperature Shock
Thermal-Vacuum (-180 to 180) °C Up to 1×10 ⁻⁶ Torr	ASTM E2900, ASTM E 595-15, SMC-S-016	Various	Hi-Vac Chamber, Vacuum Control System, Temperature Plate, Thermocouple, Data Logger, LN ₂
Rain	MIL-STD-810 Methods: 506, 521 RTCA/DO 160 IPX2, IEC 60529	Various	Rain Exposure Freezing Rain
Solar Radiation	MIL-STD-810 Method: 505	Various	Solar Radiation Exposure

Environmental Simulation

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Combined Environment (-65 to 100) °C Up to 95 %RH 150k ft	MIL-STD-810 Method: 520 RTCA/DO 160	Various	Temperature, Altitude, Icing & Humidity
Altitude Site to 650k ft	MIL-STD-810 Method: 500 MIL-STD-202 Method: 105 IEC 60068-2-13 RTCA/DO 160 ASTM D4169 ASTM D6653	Various	Altitude Temperature Altitude
Temperature / Humidity (-20 to 100) °C (10 to 95) %RH	MIL-STD-810 Method: 507 MIL-STD-202 Method: 103,106 RTCA/DO 160 IEC 60068-2-30, 2-78	Various	Humidity-Temperature & Moisture Resistance
Salt Spray	MIL-STD-883 Method: 1009 MIL-STD-810 Method: 509 MIL-STD-202 Method: 101 IEC 60068-2-11 ASTM B117 RTCA/DO 160	Various	Salt Spray Salt Fog & Corrosion



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Environmental Simulation

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Sand & Dust	MIL-STD-202 Method: 110 MIL-STD-810 Method: 510 RTCA/DO 160 IEC 60068-2-68	Various	Sand & Dust Exposure
Fluid Susceptibility	MIL-STD-810 Methods: 504, 512 MIL-STD-202 Methods: 104, 215 RCTA/DO 160	Various	Fluid & Chemical Exposure & Immersion
Conditioning Up to 250 °C	MIL-STD-202 Method: 108 ASTM D4332	Various	Ambient or Specified
Enclosure Protection	IEC 60529	Various	Material and Fluid Ingress and Hazardous Access

Vibration and Shock

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<p>Vibration</p> <p>(0.5 to 100) g Sine (0.5 to 80) g RMS (5 to 2000) Hz</p>	<p>MIL-STD-167</p> <p>MIL-STD-810 Methods: 514, 519, 528</p> <p>MIL-STD-883 Method: 2007</p> <p>MIL-STD-202 Methods: 201, 204, 214</p> <p>IEC 60068-2-6, 2-64</p> <p>RTCA/DO 160</p> <p>ASTM D4169 ASTM D999 ASTM D4728</p>	<p>Various</p>	<p>Sine, Random, Sine on Random & Gunfire Vibration</p>
<p>Mechanical Shock</p> <p>10000 g Max</p>	<p>MIL-STD-883 Method: 2002</p> <p>MIL-STD-810 Methods: 516, 517, 519, 522</p> <p>MIL-STD-202 Methods: 207, 213</p> <p>IEC 60068-2-27</p> <p>RTCA/DO 160</p>	<p>Various</p>	<p>Pyrotechnic Shock, Specified Pulse Shock</p>

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<p style="text-align: center;">Acceleration</p> <p style="text-align: center;">100 g MAX</p>	<p style="text-align: center;">MIL-STD-883 Method: 2001</p> <p style="text-align: center;">MIL-STD-810 Method: 513</p> <p style="text-align: center;">MIL-STD-202 Method: 212</p>	<p>Various</p>	<p>Acceleration</p>
<p style="text-align: center;">Impact / Drop</p>	<p style="text-align: center;">MIL-STD-202 Method: 203</p> <p style="text-align: center;">IEC 60068-2-31</p> <p style="text-align: center;">RTCA/DO 160</p> <p style="text-align: center;">ASTM D4169 ASTM D5276 ASTM D880 ASTM D6055 ASTM D6179 ASTM D6344</p>	<p>Various</p>	<p>Corner Drop, Edge Drop, Flat Drop & Impact</p>
<p style="text-align: center;">Compression Up to 5 000 lbs</p>	<p style="text-align: center;">ASTM D4169 ASTM D642</p>	<p>Various</p>	<p>Flat Compression</p>
<p style="text-align: center;">Explosion</p>	<p style="text-align: center;">MIL-STD-202 Method: 109</p> <p style="text-align: center;">MIL-STD-810 Method: 511</p> <p style="text-align: center;">RTCA/DO 160</p>	<p>Various</p>	<p>Explosive Atmosphere</p>
<p style="text-align: center;">Seal</p>	<p style="text-align: center;">MIL-STD-202 Method: 112</p> <p style="text-align: center;">ASTM D4169 ASTM D951</p>	<p>Various</p>	<p>Seal Effectiveness</p>

Notes:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2140.
2. This laboratory offers commercial testing service.
3. Comparable methods of the prior revisions of the documents listed on this scope may be used.
4. Customer specifications derived from the technologies listed above may be used.



Jason Stine, Vice President

