

#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

## ELEMENT MATERIALS TECHNOLOGY LAX LAX Division

5320 104<sup>th</sup> Street Los Angeles, CA 90045

Mr. Dale Walker Phone: 310-348-0900 ext. 1411

#### **MECHANICAL**

Valid To: June 30, 2026 Certificate Number: 214.56

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the one satellite location listed below*, to perform the following tests:

<b>Test Technology:</b>	Test Capabilities 1:	<b>Test Method(s):</b>
Vibration 5-2000 HZ		SOP LAX-VIBE-001; RTCA-DO-160 (Section 8)
Shock (Crash Safety and Operational Safety) 5- 2500 HZ Acceleration 100G's	Shaker Shock	RTCA-DO-160 (Section 7 Procedure 1)
High Temperature	+600 °F	RTCA-DO-160 (Sections 4.5.4)
Low Temperature	-323 °F	RTCA-DO-160 (Sections 4.5.1)
Thermal Cycling	+600 °F to -323 °F	RTCA-DO-160 (Section 5)
Pressure Burst	20,000 psi	SOP LAX-05
Thermal Vacuum	+662 °F to -292 °F 10 <sup>-6</sup> torr	SOP LAX-03

(A2LA Cert. No. 214.56) 06/17/2024

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#### ELEMENT MATERIALS TECHNOLOGY LAX

#### LAX Division 121 Maryland Street El Segundo, CA 90245

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<b>Test Technology:</b>	<u>Test Capabilities</u> <sup>1</sup> :	<b>Test Method(s):</b>
Thermal Vacuum	+292 °F to -300 °F 10 <sup>-6</sup> torr	SOP LAX-03
High Temperature	+392 °F	RTCA-DO-160 (Sections 4.5.4); MIL-STD-810 Method 501
Low Temperature	-300 °F	RTCA-DO-160 (Sections 4.5.1); MIL-STD-810 Method 502
Thermal Cycling	+392 °F to -300 °F	RTCA-DO-160 (Section 5); MIL-STD-810 Method 503

#### On the following products and materials:

Small/medium satellites, satellite dispensers, spacecraft static structures, deployable structures, structural materials, spacecraft reflectors and antennas, aerospace solar panels, aerospace wiring harnesses and cables, aerospace batteries and power distribution systems, commercial aircraft structural components, commercial aircraft antennas, spacecraft cameras, satellite optical systems and components, satellite propulsion systems, spacecraft propellant and oxidizer tanks, spacecraft pressurization systems and tanks, spacecraft electronic components and systems, spacecraft insulation, marine antennas, commercial and military aircraft equipment.

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<sup>&</sup>lt;sup>1</sup> Including customer-supplied and industry specifications directly related to the test technologies and parameters listed above.



# **Accredited Laboratory**

A2LA has accredited

### **ELEMENT MATERIALS TECHNOLOGY LAX**

Los Angeles, CA

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 17th day of June 2024.

Mr. Trace McInturff, Vice President, Accreditation Services For the Accreditation Council

Certificate Number 214.56

Valid to June 30, 2026