



## 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:

#### Test Technology:

Vibration  
5-2000 HZ

Shock  
(Crash Safety and  
Operational Safety)  
5- 2500 HZ  
Acceleration 100G's

High Temperature

Low Temperature

Thermal Cycling

Pressure Burst

Thermal Vacuum

#### Test Capabilities<sup>1</sup>:

Shaker Shock

+600 °F

-323 °F

+600 °F to -323 °F

20,000 psi

+662 °F to -292 °F

10<sup>-6</sup> torr

#### Test Method(s):

SOP LAX-VIBE-001;  
RTCA-DO-160 (Section 8)

RTCA-DO-160  
(Section 7 Procedure 1)

RTCA-DO-160 (Sections 4.5.4)

RTCA-DO-160 (Sections 4.5.1)

RTCA-DO-160 (Section 5)

SOP LAX-05

SOP LAX-03

ELEMENT MATERIALS TECHNOLOGY LAX  
LAX Division  
121 Maryland Street  
El Segundo, CA 90245  
Dale Walker    Phone: 310-348-0900 ext. 1411

<b><u>Test Technology:</u></b>	<b><u>Test Capabilities</u></b> <sup>1</sup> :	<b><u>Test Method(s):</u></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.

<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 17<sup>th</sup> day of June 2024.

A blue ink signature of the name "Mr. Trace McInturff".

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 214.56  
Valid to June 30, 2026

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