

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

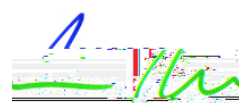
ELEMENT MATERIALS TECHNOLOGY DALLAS – PLANO WEST  
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MECHANICAL

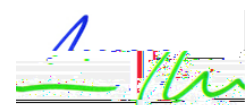
Valid to: December 31, 2025

Certificate Number: 0214.24

In recognition of the successful completion of the A2LA



<u>Test Technology</u>	<u>Test Capabilities</u>	<u>Test Method(s):</u>
Package and Unpackaged Drop Testing		MIL-STD-810; GR-63-CORE; GR-487-CORE; IEC 60068-2-32Eb; GR-3108; GR-3178-CORE
Bounce/Loose Cargo		MIL-STD-810
Seismic <sup>1</sup>	Servo Hydraulic Sine & Random 15,000 force pounds (1 to 500) Hz	ANSI T1.329; GR-13-CORE; GR-49-CORE; GR-63-CORE; GR-487-CORE; GR-937-CORE; GR-3115-CORE; GR-3125-CORE; IEC 60068-2-57
Acceleration	Up to 40 g's	MIL-STD 810 C-G; RTCA/DO-160 C-G
Illumination		GR-63-CORE
Acoustic Noise <sup>1</sup>	(30 to 100) dBa	GR-63-CORE; GR-487-CORE
Temperature <sup>1</sup>	(-72 to +125) °C	AT&T-TP76200; IEC 60068-2-14 Nb; GR-13-CORE; GR-49-CORE; GR-63-CORE; GR-487-CORE; GR-937-CORE; GR-3115-CORE; GR-3125-CORE; GR-3028-CORE (Sections 5.2, O5-4); MIL-PRF 28800 F; MIL-STD 202 F; MIL-STD 202 G; MIL-STD 810 C-G; RTCA/DO-160 C-G; IEC 60068-2-1 Ab; IEC 60068-2-2 Bb; GR-3108-CORE
Temperature and Humidity <sup>1</sup>	@50°C 5% RH @30°C 95% RH	GR-13-CORE; GR-49-CORE; GR-63-CORE; GR-937-CORE; GR-3028-CORE; GR-3115-CORE; GR-3125-CORE; IEC 60068-2-30 Db; MIL-PRF 28800F; MIL-STD 202 F, G; MIL-STD 810 C-G; RTCA/DO160 C-G; IEC 60068-2-56; GR-3108-CORE
Temperature/Altitude <sup>1</sup>	Up to 50,000 ft. (-55 to +85) °C	GR-49-CORE; GR-63-CORE; GR-937-CORE; GR-3115- CORE; GR-3125-CORE; GR-3028-CORE; MIL-PRF 28800 F; MIL-STD 202 F; MIL-STD 202 G; MIL-STD 810 C-G; RTCA/DO160 C-G



**Test Technology**

**Test Capabilities**

**Test Method(s):**

Explosive Atmosphere <sup>1</sup>

Up to 20,000 ft.  
(-22 to +85) °C

MIL-PRF 28800 F;  
MIL-STD 202 F; MIL-STD 202 G;  
MIL-STD 810 C-G; RTCA/DO-160 C-G

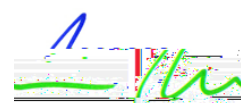
Decompression (Rapid  
and Explosive) <sup>1</sup>

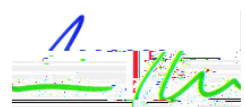
(6,000 to 55,000) ft.

MIL-STD 202 F; MIL-STD 202 G;  
MIL-STD 810 C-G;  
RTCA/DO-160 C-F

Fluid  
Susceptibility/Chemical  
Resistance

GR-49-CORE; GR-487-CORE;  
GR-937- C160







# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY DALLAS – PLANO WEST Plano, TX

for technical competence in the field of

### Mechanical Testing

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



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