SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DALLAS – PLANO WEST
1701 E Plano Pkwy., Suite 150
Plano, TX 75074
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MECHANICAL

Valid to: December 31, 2027 Certificate Number: 0214.24

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests for the following industries: Aerospace, Defense, Telecommunication, Electronics, and Automotive:

Test Technology	**Test Capabilities**	**Test Method(s)** [1]**:**
Transportation and Distribution	Incline Impact	ASTM D4169-16
Corrosion	Salt Spray/Fog	ASTM B117; ASTM G85; GR-13-CORE; GR-49-CORE; GR-487-CORE; GR-937-CORE; GR-1089-CORE (Section 8); GR-1274-CORE; GR-3108-CORE; GR-3115-CORE; GR-3125-CORE; GR-3178-CORE; MIL-STD-810C-H; NEMA 250; RTCA/DO-160 C-G
Vibration [2]	Electro Dynamic Sine, Random, Mixed Mode Random/Sine: Vibration Frequency: (5 to 2000) Hz Shocks: up to 75G's; 11 ms duration ½ Sine, Saw Tooth	AT&T-TP76200; EN 60065; EN 60204-1; ETS 300 0 019; GR-13-CORE; GR-49-CORE; GR-63-CORE; GR-487-CORE; GR-937-CORE; GR-3115-CORE; GR-3125-CORE; GR-3108-CORE; MIL-STD-167-1; MIL-STD-167-1A; MIL-STD-202F; MIL-STD-202G; MIL-STD-331C; MIL-STD-331B; MIL-STD-750C-E; MIL-STD-1344; MIL-STD-810C-H; MIL-STD-883E-G; MIL-STD-1344A; MIL-STD-1540C-D; MIL-STD-1576; MIL-PRF 28800 F; RTCA/DO-160 C-G; IEC 60068; SAE J577; JIS D160; IEEE 1613; ATIS 0600019-2009 (Pb-free); ATIS 0600020.2010; IEC 60068-2-64; IEC 60068-2-29 Eb; IEC 60068-2-27

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5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Test Technology	**Test Capabilities**	**Test Method(s) [1]:**
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 [2]	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-810C-H; RTCA/DO-160 C-G
Illumination		GR-63-CORE
Acoustic Noise [2]	(30 to 100) dBa	GR-63-CORE; GR-487-CORE
Temperature [2]	(-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-202F; MIL-STD-202G; MIL-STD-810C-H; RTCA/DO-160 C-G; IEC 60068-2-1 Ab; IEC 60068-2-2 Bb; GR-3108-CORE
Temperature and Humidity [2]	at 50 ºC, 5 %RH at 30 ºC, 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-202F, G; MIL-STD-810C-H; RTCA/DO160 C-G; IEC 60068-2-56; GR-3108-CORE
Temperature/Altitude [2]	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-202F; MIL-STD-202G; MIL-STD-810C-H; RTCA/DO160 C-G

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Test Technology	**Test Capabilities**	**Test Method(s) [1]:**
Explosive Atmosphere [2]	Up to 20,000 ft. (-22 to +85) °C	MIL-PRF 28800 F; MIL-STD-202F; MIL-STD-202G; MIL-STD-810C-H; RTCA/DO-160 C-G
Decompression (Rapid and Explosive) [2]	(6,000 to 55,000) ft.	MIL-STD-202F; MIL-STD-202G; MIL-STD-810C-H; RTCA/DO-160 C-G
Overpressure	15,000 ft.	RTCA/DO-160
Fluid Susceptibility/ Chemical Resistance		GR-49-CORE; GR-487-CORE; GR-937-CORE; RTCA/DO-160 C-G; MIL-STD-810C-H
Wind Resistance		GR-49-CORE; GR-487-CORE; GR-950-CORE
Wall/Pole Mounted Equipment		GR-950; GR-487; GR-3178-CORE;
Lifting Details [2]	Up to 15,000 lbs.	GR-487-CORE
Security		GR-487-CORE
Alarms		GR-487-CORE
Solar Load Testing		GR-487-CORE; MIL-STD-810C-H (Procedure 1), GR-3108
Thermal Shock [2]	(-65 to +125) °C	GR-13-CORE; GR-63-CORE; GR-487-CORE; GR-937-CORE
Hygroscopic Dust		GR-63-CORE
Immersion		MIL-STD-810G-H; IEC 60529
Lawn Sprinkler		GR-487-CORE; GR-950-CORE
Rain Intrusion		GR-487-CORE; GR-950-CORE
Wind and Rain [2]	100 mph at 6 in./hr	MIL-STD-202F; MIL-STD-202G; MIL-STD-810C-H; MIL-PRF 28800 F; RTCA/DO-160 C-G; GR-13-CORE; GR-49-CORE; GR-487-CORE; GR-937-CORE; GR-3115-CORE; GR 3125-CORE; GR-3178-CORE; NEMA 250; IEC/EN 60529; GR-950-CORE; IEC 60068-2-18

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Test Technology	**Test Capabilities**	**Test Method(s) [1]:**
Dripping Rain		MIL-STD-810; RTCA-DO-160
Sand and Dust		MIL-STD-810C-H, RTCA/DO-160 C-G
Dust Intrusion		IEC 60529

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per Annex A, Part C of A2LA *R101 - General Requirements: Accreditation of Conformity Assessment Bodies.*

[2] Also using customer supplied specifications utilizing any combination of test equipment parameters listed above.

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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 *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 31st day of October 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.24
Valid to December 31, 2027
Revised May 12, 2026

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

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