



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY FREMONT NEWARK
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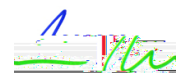
MECHANICAL

Valid to: September 30, 2025

Certificate Number: 214.27

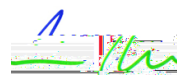
In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to the laboratory at the location listed above, as well as ~~at the~~ satellite laboratories listed below to perform the following Environmental Tests for the following industries: Aerospace, Defense, Telecommunication, Electronics and Automotive:

<u>Test Technology:</u>	<u>Test Capabilities:</u>	<u>Test Specifications/Standards</u>
Vibration ¹	ElectroDynamic Sine, Random, Mixed Mode and Shock 5 to upto 3,000Hz and 10,000 to 20,000 force-lbs Shock half-sine and Sawtooth and Trapezoidal	AT&T - TP76200; ETSI EN 300019; GR-63-CORE; GR487-CORE; GR-950-CORE; GR-3108-CORE; GR-3160-CORE; MIL -STD-202; IEC 600682-64; ISO 15197; RTCA/DO-160; EN 50155; GMW3172; IEC 60068-26; IEC 60068-227; IEC 600682-29; IEC 60068-264; IEC 6025521-1; IEC 60255-212; IEC 60255-213; IEC 61373; IEC 618503; IEC 60601-111 and IEC 606014-12; ISO 16750-3; MIL -STD-810;



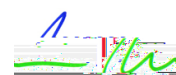
<u>Test Technology:</u>	<u>Test Capabilities:</u>	<u>Test Specifications/Standards</u>
Seismic/ Vibration (continued)	ServoHydraulic Sine, Random and Shock 15,000 force-lbs (1 to 500) Hz Shock half-sine	6-AMAZON.com-SIOC Type A OSHDP; ETSI EN 300 019; IEC 600682-57
Illumination	Visual Inspection/ Observation	GR-63-CORE; GR487-CORE; GR-3160-CORE
Packaged Drop Testing FreeFall, Shock m (63)T82		GR-63-CORE; GR487-CORE; GR-950-CORE; GR3108CORE GR-3160-CORE 2003 Tc83 (-)Tj 0.003 Tc -0.003 Tw

Test



<u>Test Technology:</u>	<u>Test Capabilities:</u>	<u>Test Specifications/Standards</u>
Thermal Shock ¹	(-70 to 125)°C	GR-63-CORE; GR487-CORE; GR-950-CORE,GR-3108-CORE; ETSI EN 300 019; ISO 167504; IEC 60068-214; MIL -STD-810; JESD22A104E
Heat Dissipation		ATIS-0600010.03
Mixed Flowing Gas		GR-63-CORE;GR-3108CORE; ASTM B827; ASTM B845; EIA 364-65B; IEC 60068-260, Methods2, 3, and4
Altitude ¹	(-807to 55,140)feet	GR-63-CORE; AT&T-TP76200; GR-487-CORE; GR950-CORE; GR-3108CORE; MIL -STD-202, MethodA; MIL -STD-202, ProceduresI andII; NHTSA Vol 78 No. 89; RTCA/DO-160, CategoriesA1, A2, A3, A4, B1, B2, B3, B4, C1, C2, C3 andC4; MIL -STD-810; IEEE 1613; EN 50125; EN 50155; IEC 62498
Freeze /Thaw		MIL -STD-810
Immersion		MIL -STD-810

<u>Test Technology:</u>	<u>Test Capabilities:</u>	<u>Test Specifications/Standards</u>
Protection against powerful jetting		IEC 60529- IPX6; ISO 20653- IPX6





Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY FREMONT NEWARK

Fremont, 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 11th day of January 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.27
Valid to September 30, 2025

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