

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY – JUPITER

15814 Corporate Circle

Jupiter, FL 33478

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MECHANICAL

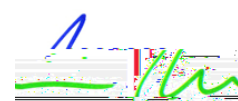
Valid To: February 28, 2025

Certificate Number: 7039.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on the following types of products and materials: Aerospace components, Military equipment, Nuclear equipment, Commercial and Automotive components.

For the following types of industries: Aerospace, Defense, Nuclear, Telecommunications, Electrical, Electronics, Automotive, Information Processing and Scientific Instruments.

**Test Description:**



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**Test Method(s)<sup>1</sup>:**

Continuous Flow/Endurance/Performance<sup>2</sup>  
*Gas: (1 to 1,000) PPM,  
(Up to 500) psi, (-320 to 2,000) °F,  
Thermal Cycling: (0-1.4 million BTUs/m)*

ER8559 PW800 Fuel System Transient Ice Test  
Plan;  
GENx MFO QTS

Hydrostatic Pressure/Burst/Pressure<sup>2</sup>  
*(60,000 psi max)*

SAE AS 2078, Sections 4.7 Proof Pressure,  
Section 4.8 Burst Pressure

Pneumatic Static Pressure/Burst/Pressure/ Pressure  
Decay<sup>2</sup>  
*(30,000 psi max)*

SAE AS 2078 Section 4.7 Proof Pressure,  
Section 4.8 Burst Pressure  
8q72.7CID 128 BDC4rsCTE2E

Fuel Icing<sup>2</sup>

SAE ARP 1401

ACOUSTICS & VIBRATION

**Test Description:**

**Test Method(s)<sup>1</sup>:**

Acceleration<sup>2,3</sup>

MIL-STD-202, Method 212,  
*(Test Conditions A and C only);*  
MIL-STD-810, Method 513;  
MIL-E-5272, Rev. C, 22 Jan 71, Para. 4.16

Vibration<sup>2,3</sup>  
32,000 lbf

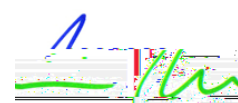
RTCA/DO-160, Section 8;  
MIL-STD-202, Methods 201, 204, and 214;  
MIL-STD-810, Methods 514, and 516;  
MIL-E 5272, Rev. C, 22 Jan 71, Para. 4.7;  
IEC 68-2-6, IEC 68-2-34

Shock<sup>2,3</sup>  
Up to 40,000 g

RTCA/DO-160, Section 7;  
MIL-STD-202, Methods 202, 205, and 213  
*(higher levels need drop tower);*  
MIL-STD-810, Methods 514, 516, Procedures I, II,  
III, and V;  
IEC 68-2-27

SRS<sup>2,3</sup>  
Up to 250 g  
*(5 to 2500) Hz*

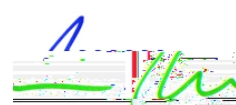
MIL-STD-810, Method 516



<sup>1</sup> 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 part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

<sup>2</sup> Using customer-specified test methods utilizing any combinations of test equipment parameters listed above.

<sup>3</sup> Note: This lab is capable of performing current and older versions of MIL-STD-810 (versions B through H) and RTCA/DO-160 (versions B through G) for the methods listed above. The methods listed above on this scope are accredited.





# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY - JUPITER

*Jupiter, FL*

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 6<sup>th</sup> day of February 2023.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7039.01  
Valid to February 28, 2025

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