



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY SAN BERNARDINO
3505 East 3rd Street
San Bernardino, CA 92408
Mr. Raouf Naguib Email: Raouf.Naguib@element.com

MECHANICAL

Valid To: June 30, 2025

Certificate Number: 0214.45

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive, telecommunications, and aerospace components:

Test Technology¹:

Test Method(s)²:

Environmental Exposure

High Temperature
11 lbs/second GN2 – to 550 °F
up to 500 psi;
3.2 lbs/seconds GOx – to 700 °F
up to 5000 psi;
9 lbs/second CO2 – to 1300 °F
up to 4600 psi;
0.5 lbs/second CH4 – to 315 °F
up to 4400 psi

NTS Test Procedure Number TP053205-1 for Nitrogen;
NTS Test Procedure Number T29440-03 for Oxygen

Low Temperature
To -452 °F
Using He, H₂, N₂

NTS Test Procedure Number PR047590-01

Thermal Shock Testing
(-425 to 560) °F – GN2

NTS Test Procedure Number TP053205-1

Pressure (Burst) Testing
2500 psi (up to 1400 °F) – GN2

NTS Test Procedure Number T079723-4

Noise and Vibration Testing
10 Hz to 20 kHz

MIL-STD-1474 (Appendix E);
MIL-STD-740-1 (SH);
MIL-STD-740-2 (SH)

Test Technology¹:**Fluid Flow**

Gas and Fluid Flow
(GN2)
To 1600 SCFM

Pressure Drop
(GHe)

Leakage
(GHe to 20 SLPM)

Test Method(s)²:

NTS Test Procedure Number TP PR029362-03

NTS Test Procedure Number 6208-1 REV B

T201-10704-1 REV A

¹ Also using customer specified methods directly related to the technologies above and within the parameters above.

² 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*.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY SAN BERNARDINO

San Bernardino, 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 22nd day of September 2023.

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

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.45
Valid to June 30, 2025
Revised November 8, 2023

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