

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY SAN BERNARDINO
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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:

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

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

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

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

Noise and Vibration Testing
10 Hz to 20 kHz

Test Method(s)²:

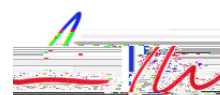
NTS Test Procedure Number TP053205-1 for Nitrogen;
NTS Test Procedure Number T29440-03 for Oxygen

NTS Test Procedure Number PR047590-01

NTS Test Procedure Number TP053205-1

NTS Test Procedure Number T079723-4

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



Test Technology ¹:

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



