



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DALEVILLE  
 9301 Innovation Dr., Suite 175  
 Daleville, IN 47334  
 Jon Wagner Phone 215 579 7500

MECHANICAL

Valid To: August 31, 2026

Certificate Number: 0174.02

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following types of tests on materials, metals and fasteners:

| <u>Test(s):</u>   | <u>Test Method(s)</u>                    |
|---|--|
| <u>Physical Properties:</u>   |  |
| Bend  | ASTM A370, E290 E190                     |
|   |  |
| Creep, Stress Rupture   | ASTM E139, E292                          |
| End Quench Hardenability Jominy   | ASTM A255; SAE J406                      |
|   |  |
| <u>Hardness Testing</u>   |  |
| Rockwell (A, B, C, E, F)  | ASTM A370, E18; Bell Helicopter BPS 4467 |
| Rockwell Superficial<br>(15N, 30N, 45N, 15T, 30T, 45T)                      | ASTM A370, E18; Bell Helicopter BPS 4467 |
| Brinell Hardness (500, 1000, 3000 Kg)                                       | ASTM A370, E10                           |
| <u>Microhardness</u>  |  |
| Vickers (50, 100, 200, 300, 500, 1000g)                                     | ASTM B578, E92, E384; NASM 13126         |
| Knoop (25, 50, 100, 200, 300, 500, 1000g)                                   | ASTM B578, E92, E384; NASM 13126         |
|   |  |
| Hydrogen Embrittlement  | ASTM F519                                |
|   |  |
| <u>Impact Testing</u>   |  |
| Charpy Impact (Room Temperature to 150°F)<br>Izod Impact (Room Temperature) | ASTM A370, A923, E23                     |

| <u>Test(s):</u>                        | <u>Test Method(s)</u>                                |
|--|--|
|  |  |
| <u>Physical Properties (cont'd):</u>   |  |
| Tension / Tensile                      |  |
| Elevated Temperature Tension / Tensile | ASTM E21   |
| Tensile (60K max)                      | ASTM A370, B557/B557M, E8/E8M, E345, F1147; ISO 6892 |
|  |  |
| Specimen Conditioning (HT)             | MTP 2070   |
|  |  |

| Test(s):   | Test Method(s)  |
|--|---|
|  |   |
| <u>Metallographic Evaluations (cont'd)</u>                           |   |
| Welder Certification/ Weld Procedure Testing<br>(Visual, Mechanical) | Using the methods listed above in accordance with:<br>ASME Section IX; AWS: D1./D1.1M, D1.2/D1.2M, D1.3/D1.3M, D1.5/D1.5M, D1.6/D1.6M, D9.1/D9.1M, D10.9/D10.9M, D17.1/D17.1M<br>MIL -STD-248D (Withdrawn 1997);<br>NAVSEA S 9074AQ-GIB-010/248 |
|  |   |
| <u>Environmental Simulation:</u>                                     |   |
| Salt Spray   | ASTM B117, D1654; NASM 1312I;<br>GM4298P (Superseded 2010)  |

<sup>1</sup>In-House Test Method



# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY DALEVILLE

Daleville, IN

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 22<sup>nd</sup> day of November 2024.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number

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