



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INDUSTRIAL TESTING LABORATORY SERVICES
(A DIVISION OF ALBA ENTERPRISES, LLC)
635 Alpha Drive – RIDC Park
Pittsburgh, PA 15238
Steve Lysiak Phone: 412 963 1900

MECHANICAL

Valid To: June 30, 2026

Certificate Number: 1938.01

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

<u>Test:</u>	<u>Test Method(s):</u>
Ductility (Bend)	ASME Section IX; ASTM A370, E190, E290; AWS D1.1, D1.6
Fastener Testing Tensile (Wedge/Axial)	ASTM F606/F606M; NASM 1312-8
Proof (Internal & External Threads)	ASTM F606/F606M; NASM 1312-8
Stress Durability (Hydrogen embrittlement) of plated products and fasteners	ASTM F606/F606M, MTL-DTL-23422F, NASM 1312-5
Hardness Brinell (500, 3000) kg	ASTM A370, E10; NASM 1312-6
Rockwell (B, C, 15T, 15N, 30N)	ASTM A370, E18; NASM 1312-6
Impact (Charpy) (-320 to 212) °F	ASTM A370, E23
Micro and Macro hardness Knoop (100) gf	ASTM B578, E384; NASM 1312-6
Vickers (200, 500, 1000, 10000) gf	ASTM B578, E92, E384; NASM 1312-6
Metallographic Evaluation Preparation	ASTM E3
Grain Size	ASTM E112, E930, E1181
Macroetch	ASTM E340, E381; ISO 17639

<u>Test:</u>	<u>Test Method(s):</u>
Metallographic Evaluation (<i>continued</i>) Depth of Decarburization	ASTM E1077, F2328; SAE J121 (Withdrawn 2013)
Banding /Orientation of Microstructures	ASM Handbook, Vol. 9; ASTM E1268
Microetch	ASTM E407; ISO 17639
Intergranular Corrosion	ASTM A262, Practice A, C, E
Phase Analysis	ASTM E562, E1245
Coating Thickness	ASTM B487
Ambient Temperature Tensile 600,000 lbs Capacity	ASTM A370, A770, B557, E8/E8M, E111; NASM 1312-18
Compression 600,000 lbs Capacity	ASTM E9, F36
Weld/Braze Operator/Procedure Qualification Testing	Using the methods listed above in accordance with: API 1104; ASME Sect. IX; AWS B4.0, D1.1, D1.2, D1.3, D1.4, D1.5, D1.6, D15.1; NAVSEA 250-1500-1, NAVSEA S9074-AR-GIB-010/278, NAVSEA S9074-AQ-GIB-010/248
Failure Analysis	ASM Handbook, Vol. 11
Flattening	ASTM A530, A999, A1016
Flaring	ASTM A1016
Heat Treat	MTP 113



Accredited Laboratory

A2LA has accredited

INDUSTRIAL TESTING LABORATORY SERVICES (A DIVISION OF ALBA ENTERPRISES, LLC)

Pittsburgh, PA

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 24th day of May 2024.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1938.01
Valid to June 30, 2026

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