



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WELDALOY
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Warren, MI 48089
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MECHANICAL

Valid To: February 28, 2025

Certificate Number: 6839.01

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

<u>Test:</u>	<u>Test Method(s):</u>
Hardness Rockwell (B,C)	ASTM E18
Microhardness Knoop (10g to 1kg HK) Vickers (10g to 1 kg HV)	ASTM E384
Tensile, Elongation, Yield, and Reduction of Area (Ambient Temperature)	ASTM E8
Modulus n-Value	ASTM E111, ASTM E646
Metallographic preparation	ASTM E3
Macro-Etching	ASTM E340
Micro-Etching	ASTM E407; ASM Handbook Vol. 9
Grain Size Analysis	ASTM E112, ASTM E1181, ASTM E930
In-Situ Metallography	ASTM E3
Optical Microscopy	ASTM E883

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Test:

SEM/EDS

Failure Analysis

Volume Fraction

Case Depth

Depth of Decarburization

Alpha Case for Titanium Alloys

Test Method(s):ASTM E1508,
ASTM E986

ASM Handbook Vol. 11

ASTM E562

SAE J423

ASTM E1077

AMS 4928,
AMS 4930,
AMS 4931,
AMS 4983,
AMS 4966;
ASTM E384;
RB0170-152

CHEMICAL

Test:

Optical Emission Spectroscopy (OES)

Stainless Steel
Aluminum and Aluminum Alloys
Nickel Alloys
Copper Alloys
Titanium and Titanium Alloys
Carbon and Low Alloy Steel**Test Method(s):**ASTM E1086,
ASTM E1251,
ASTM E3047,
ASTM E478,
ASTM E2994,
ASTM E415,
ASTM A751(Al, B, Be, Bi, C, Ca, Cd, Co, Cr, Cu, Fe, Mg,
Mn, Mo, Na, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ta,
Te, Ti, V, W, Y, Zn, Zr, O, H, N)



Accredited Laboratory

A2LA has accredited

WELDALOY

Warren, MI

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 28th day of February 2023.

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

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6839.01
Valid to February 28, 2025

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