



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EWI LAB SERVICES
1250 Arthur E Adams Drive
Columbus, OH 43221
Connie Kotula 614 688 5000

MECHANICAL

Valid To: October 31, 2019

Certificate Number: 3209.01

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

Test:

Test Method(s):

Mechanical Testing

Tensile (Yield, Tensile, Elongation, %RA)	ASTM E8; AWS B4.0
Bend Test	ASTM E190, E290; AWS B4.0
Charpy Impact Test	ASTM E23; AWS B4.0
Drop Weight Testing	ASTM E208; AWS B4.0
Residual Stress Measurement	ASTM E837
Fatigue Test, Constant Amplitude, Axial	ASTM E466
Fracture Toughness	ASTM E1290; BSI 7448; ISO 12135, 15653
Nick-Break Test	AWS B4.0
Hardness	
Rockwell (B, C)	ASTM E18, E140
MicroHardness	
Vickers (10g, 200g, 300g, 500g, 1000g, 10kg)	ASTM E384

Test:

Test Method(s):

Metallographic Evaluation

Metallographic Preparation	ASTM E3
Micro-Etching	ASTM E407
Inclusion Rating	ASTM E45
Grain Size	ASTM E112, E1382
Volume Fraction by Point Count	ASTM E562

Weld

Weld Procedure/Welder Qualification	ASTM E8, ASTM E190, ASTM E290, ASTM E23, ASTM E208 in accordance with AWS B4.0
Fillet Weld Test	AWS B4.0

Chemical Properties

Glow Discharge Atomic Emission Spectrometry

Carbon and Low-Alloy Steel (Al, B, C, Co, Cr, Cu, Mg, Mn, Mo, Ni, P, S, Si, Ti, V, Zr)	ASTM E415
Austenitic Stainless Steel (C, Cr, Cu, Mn, Mo, Ni, P, Si)	ASTM E1086

Diffusible Hydrogen Analysis by Gas Chromatography (H)	ANSI/AWS A4.3
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Non Destructive Evaluation

Radiography	ASTM E1032
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Environmental Simulation

Ferric Chloride Pitting Test	ASTM G48 Method A
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Accredited Laboratory

A2LA has accredited

EWI LAB SERVICES

Columbus, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 11th day of October 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3209.01
Valid to October 31, 2019

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