SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WN GLOBAL LABORATORY
12895 South Main Street
Houston, TX 77035
Elizabeth Martinez Phone: 713 726 1000

MECHANICAL

Valid To: June 30, 2026 Certificate Number: 0929.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, ***as well as the two satellite laboratory locations listed below***, to perform the following tests on fasteners, metals, and alloys:

I. Mechanical Testing

Test Technology:	**Test Method(s):**
Hardness	
Rockwell (HRBW & HRC)	ASTM A370, E18, F606/F606M, ISO 6508
Brinell (3000 Kg)	ASTM A370, E10, F606/F606M
Microhardness (HK 500g & HV 500g)	ASTM E384
Tensile (*axial & wedge, tension testing, yield, ROA, %E*)	ASTM A370, E8/E8M, F606/F606M, ISO 6892
Proof (*internally and externally threaded*)	ASTM A370, F606/F606M, ASTM A194
Discontinuities	ASTM F788, F812; SAE J122 [1] (cancelled 01/04/17), SAE J123 [1] (cancelled 04/10/12)
Charpy Impact (-150° F to Room Temperature)	ASTM A370, E23
Coating Thickness	ASTM B499, ASTM D7091
Metallographic Evaluation:	
Macroetch	ASTM E340, E381
Decarburization	ASTM E1077, F2328; SAE J419, J121 [1] (cancelled 02/01/13)
Grain size	ASTM E112 (Comparison Method Only) ASTM E1181 (Comparison Method Only)
Inclusion Content	ASTM E45, Method A
Microstructure/Banding	API 20E, 20F, 6ACRA
XRF (PMI)	ASTM E1476
Chemical Testing	
Spark Atomic Emission Spectrometry on Steel, Stainless Steel and Nickel Base Alloys (Al, B, C, Cr, Co Cu, Fe, Mn, Mo, Nb, Ni, P, S, Si, Ti, V)	ASTM E415, E1086, E3047, ASTM A751

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

II. Dimensional Testing

Parameter	Range	CMC[2, 3] (±)	Comment
Angle[4]	(0 to 360)°	1°	Optical comparator / MIL-STD-120
Radius[4]	Up to 0.650 in	2000 µin	Optical comparator / MIL-STD-120
Threads[4] –			
Systems 21	(0.25 to 3.25) in	N/A	Ring gages / ANSI/ASME B1.2
	(0.25 to 3) in	N/A	Plug gages / FED-STD-H28/20
	Up to 4 in	600 µin	Pitch micrometers / AS 8879
Linear[4]	Up to 4 in	1000 µin	Optical comparator / MIL-STD-120
	Up to 6 in	500 µin	Micrometer / MIL-STD-120
	Up to 12 in	1000 µin	Calipers / MIL-STD-120
	Up to 24 in	1500 µin	Height gage / MIL-STD-120
	Up to 20 in	(12 + 38*L*) µin	Gage maker micrometer / MIL-STD-120

III. Nondestructive Examination

Test Technology:	Test Method(s):
Ultrasonic Testing - Contact Straight Beam - Contact Angled Beam	API 6A, 17D; ASTM A388/A388M, E114, E127, E317, E428, E2375
Magnetic Particle Testing - Bench (Visible, Fluorescent)	API 6A, 17D; ASTM A275/A275M, E709, E1444/E1444M, A962/A962M; ASME V-Article 7
Liquid Penetrant - Visible, Fluorescent	API 6A, 16C, 20E, 20F; ASME Section V Article 6; ASTM A962/A962M, E165/E165M, E1220, E1418; EN473; ISO 9712

***Note: Lab tests materials per the following specifications using the above test methods:**

ASTM A540/A540M; SAE J429; SAE J995

3303 W. 12th Street
Houston, TX 77008
Phone: 713 230 2500

I. Mechanical Testing

Test Technology:	Test Method(s):
Hardness	
Rockwell (HRBW & HRC)	ASTM A370, E18, F606/F606M
Discontinuities	ASTM F788, F812; SAE J122, J123 [1] (cancelled)
Coating Thickness	ASTM B499, ASTM D7091
XRF (PMI)	ASTM E1476

II. Dimensional Testing

Parameter	Range	CMC[2, 3] (±)	Comment
Angle[4]	(0 to 360)°	1°	Optical comparator / MIL-STD 120
Radius[4]	Up to 0.650 in	2000 µin	Optical comparator / MIL-STD 120
Threads[4] –			
Systems 21	(0.25 to 6.5) in	N/A	Ring gages / ANSI/ASME B1.2
	(0.25 to 6.5) in	N/A	Plug gages / FED-STD-H28/20
	Up to 7 in	600 µin	Pitch micrometers
Linear[4]	Up to 4 in	1000 µin	Optical comparator / MIL-STD 120
	Up to 6 in	500 µin	Micrometer / MIL-STD 120
	Up to 12 in	1000 µin	Calipers / MIL-STD 120
	Up to 18 in	1500 µin	Height gage / MIL-STD 120

11987 FM 529
Houston, TX 77041
Phone: 832 456 9900

I. Mechanical Testing

Test Technology:	Test Method(s):
Adhesion Testing	ASTM D3359
Cure Testing	ASTM D5402
Dry Film Thickness (DFT)	SSPC-PA2; ASTM D7091, ASTM B499
XRF Plating Thickness	ASTM B568

[1] This laboratory's scope contains cancelled or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

[2] Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine measurements of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific measurement performed by the laboratory may be greater than the CMC Uncertainty due to the behavior of the customer's device and to influences from the circumstances of the specific measurement

[3] In the statement of CMC Uncertainty, L is the numerical value of the nominal length of the device measured in inches.

[4] This test is not equivalent to that of a calibration.

Accredited Laboratory

A2LA has accredited

WN GLOBAL LABORATORY

Houston, TX

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 18th day of September 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 929.01
Valid to June 30, 2026

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