



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, 2028

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 satellite laboratory location listed below*, to perform the following tests on fasteners, metals, and alloys:

I. Mechanical Testing

Test Technology:

Test Method(s):

Hardness

Rockwell (HRBW & HRC)

Brinell (3000 Kgf)

Microhardness (HK 500gf & HV 500gf)

Tensile Test

(Tensile Strength yield, ROA, %E)

Tensile Test on Fasteners

(axial & wedge)

Proof Load of Fasteners

(internally and externally threaded)

Discontinuities

Charpy Impact (-150° F to Room Temperature)

Coating Thickness

Metallographic Evaluation:

Macroetch

Decarburization

Grain size

Inclusion Content

Microstructure/Banding

XRF (PMI)

ASTM A370, E18, F606/F606M; ISO 6508

ASTM A370, E10, F606/F606M

ASTM E384

ASTM A370, E8/E8M; ISO 6892

ASTM A370, F606/F606M

ASTM A370, F606/F606M, ASTM A194

ASTM F788, F812;

SAE J122 ¹ (cancelled 01/04/17),

SAE J123 ¹ (cancelled 04/10/12)

ASTM A370, E23

ASTM B499, ASTM D7091

ASTM E340, E381

ASTM E1077, F2328;

SAE J419, J121 ¹ (cancelled 02/01/13)

ASTM E112 (Comparison Method Only),

ASTM E1181 (Comparison Method Only)

ASTM E45, Method A

API 20E, 20F, 6ACRA

ASTM E1476

Test Technology:**Test Method(s):****Chemical Testing by Spark Atomic Emission Spectrometry**

Carbon and Low Alloy Steel
C, Mn, P, S, Si, Mo, Cr, Cu, V, Ni, B, Al, Nb
Stainless Steels
C, Mn, P, S, Si, Cr, Ni, Mo, N

ASTM A751 & E415

ASTM A751 & E1086

Nickel Base Alloys
C, Mn, Si, P, S, Cr, Ni, Mo, Co, Ti, Al, Nb, B,
Cu, Fe, Pb, Bi, Se, Mg, Ca, Ta

ASTM A751 & E3047

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 (0.25 to 3) in Up to 4 in	N/A N/A 600 µin	Ring gages / ANSI/ASME B1.2 Plug gages / FED-STD-H28/20 Pitch micrometers / AS 8879
Linear ⁴	Up to 4 in Up to 6 in Up to 12 in Up to 24 in Up to 20 in	1000 µin 500 µin 1000 µin 1500 µin (12 + 38L) µin	Optical comparator / MIL-STD-120 Micrometer / MIL-STD-120 Calipers / MIL-STD-120 Height gage / MIL-STD-120 Gage maker micrometer / MIL-STD-120

III. Nondestructive Examination

Test Technology:

- Ultrasonic Testing
- Contact Straight Beam
 - Contact Angled Beam
- Magnetic Particle Testing
- Bench (Visible, Fluorescent)
- Liquid Penetrant
- Visible, Fluorescent

Test Method(s):

API 6A, 17D;
ASTM A388/A388M, E114, E127, E317, E428, E2375

API 6A, 17D;
ASTM A275/A275M, E709, E1444/E1444M,
A962/A962M;
ASME V-Article 7

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:

- Hardness
Rockwell (HRBW & HRC)
Discontinuities
Coating Thickness
XRF (PMI)

Test Method(s):

ASTM A370, E18, F606/F606M
ASTM F788, F812; SAE J122, J123 ¹ (cancelled)
ASTM B499, ASTM D7091
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 (0.25 to 6.5) in Up to 7 in	N/A N/A 600 µin	Ring gages / ANSI/ASME B1.2 Plug gages / FED-STD-H28/20 Pitch micrometers

Parameter	Range	CMC ^{2,3} (±)	Comment
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

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 22nd day of June 2026.

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 929.01
Valid to June 30, 2028

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