



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

THE LAB-MATERIALS TESTING
11150 White Birch Drive Rancho
Cucamonga, CA 91730
Adan Espino Phone: 909 944 2777

MECHANICAL

Valid To: June 30, 2024

Certificate Number: 3608.01

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

Test	Test Method(s)
Mechanical Properties	
Tension/Yield/ROA/%E	ASTM E8/E8M, B557, A370
Charpy Impact (-320°F to RT) 150ft/lb	ASTM A370, E23
Stress Rupture	ASTM E139
Hardness	
Rockwell (HRBW, HRC)	ASTM A370, E18, F606/F606M
Microhardness (HV0.3, HV0.5)	ASTM E384
Fastener Testing	
Wedge and Axial Tensile	ASTM A370, F606/606M
Axial Proof Load (Internal and External Threads)	ASTM A370, A962, F606/606M
Yield Strength	ASTM A370, F606/606M, E8/E8M
Chemical Properties	
OES Chemistry CLAS (Al, C, Cr, Cu, Mn, Mo, Ni, P, S, Si, V) Stainless (Al, C, Cr, Mn, Mo, Ni, P, S, Si, Ta, Ti, V) Ni-base (Al, B, C, Co, Cr, Cu, Fe, Mn, Mo, P, Si, V) Cu-base (Al, Mn, Ni, Si, Sn, Zn) Al-base (Co, Cr, Cu, Fe, Mg, Mn, Si, Sn, Ti, V, Zn) Ti-base (H, O, N)	ASTM A751, E415, E1086, E1251, E2994, E3047; DIN EN 15079
Determination of H in Ti and Ti-base Alloys	ASTM E1447
Determination of O and N in Ti and Ti-based Alloys	ASTM E1409

<u>Test</u>	<u>Test Method(s)</u>
Non-destructive Testing	
Liquid Penetrant Fluorescent	ASTM E165, E1417; NAVSEA T9074-AS-GIB-010/271; MIL-STD-271, MIL-STD-6866
Magnetic Particle Testing	ASTM E1444; E709; NAVSEA T9074-AS-GIB-010/271; MIL-STD-271
Metallurgical Testing	
Carburization/Decarburization	ASTM F2328, ASTM E1077; SAE J121; ISO 898-1, 898-2
Grain size determination (Comparison)	ASTM E112, E1181
Coating Thickness	ASTM B487; NASM1312-12
Case Depth (Effective and Total)	ASMT B934; SAE J423
Macro Examination	ASTM E340; E381



Accredited Laboratory

A2LA has accredited

THE LAB-MATERIALS TESTING

Rancho Cucamonga, CA

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 laboratory also meets the requirements of any additional program requirements in the mechanical field. 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 7th day of September 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3608.01
Valid to June 30, 2024

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