



Accredited Laboratory

A2LA has accredited

MODERN INDUSTRIES, INC.

Erie, PA

for technical competence in the field of

Chemical 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 22nd day of December 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 2949.02
Valid to January 31, 2018

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MODERN INDUSTRIES, INC
 613 West 11th Street
 Erie, PA 16501
 Kevin Polito Phone: (814) 455-8061
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CHEMCIAL

Valid To: January 31, 2018

Certificate Number: 2949.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on steel, stainless steel, cast iron, copper alloys, aluminum, nickel & cobalt alloys, titanium, miscellaneous metals, forgings, castings, machined components, billets, bars, ingot, powdered metals, fasteners, chain, and cable: Aircraft components, automotive components, metals and alloys:

Test and Technology:

Test Methods:

Elemental Analysis (Combustion or Fusion)
 (C, N₂, O₂, S,)

Carbon in Steel, Iron Nickel & Cobalt Alloys	ASTM E1019
Oxygen in Steel, Iron Nickel & Cobalt Alloys	ASTM E1019
Oxygen in Copper & Copper Alloys	ASTM E2575
Oxygen in Titanium & Titanium Alloys	ASTM E1409
Nitrogen in Steel, Iron Nickel & Cobalt Alloys	ASTM E1019
Nitrogen in Titanium & Titanium Alloys	ASTM E1937 (Withdrawn 2005, replaced by E1409) ¹
Sulfur in Steel, Iron Nickel & Cobalt Alloys	ASTM E1019

OES Analysis

(Al, As, B, Be, C, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni, P, Pb, S, Sb, Si, Sn, Sr, Ti, V, W, Zn, Zr)

Carbon & Low Alloy Steel	ASTM E415
Stainless Steel	ASTM E1086
Cast Iron	ASTM E1999
Aluminum & Aluminum Alloys	ASTM E1251
Cobalt Alloys	E-2 SM 5 – 26 (ASTM 8 th Edition)
Metals in Liquid (Ag and Cu Only)	EPA 200.7

Peter Abney

Test and Technology:

Test Methods:

X-Ray Fluorescence Analysis (Al, Ca, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni, P, S, Si, Ti, V, W, Zr)	
Low Alloy Steels	ASTM E1085
Ni-Base Alloys	ASTM E2465
Titanium 6A14V Alloys	ASTM E539
Stainless Steels & Alloy Steels	ASTM E572
Low Carbon & Cast Irons	ASTM E322

¹This laboratory's scope contains withdrawn 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.

This accreditation also includes an evaluation of the GE S-400 requirements for the tests listed above.

