



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SGS North America Inc.
Operating at 1390 N. 25th Avenue
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CHEMICAL

Valid To: December 31, 2024

Certificate Number: 0510.02

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

<u>Test Description:</u>	<u>Test Method(s):</u>
Optical Emission Spectroscopy (OES):	
<u>Steel</u> : Al, As, B, Bi, C, Ca, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ta, Ti, V, W, Zr	ASTM E415, A751
<u>Stainless Steel</u> : Al, B, C, Ca, Ce, Co, Cr, Cu, Fe, Mn, Mo, N, Nb, Ni, P, Pb, S, Si, Sn, Ta, Ti, V, W, Zr	ASTM E1086, A751
<u>Aluminum</u> : Ag, Al, B, Be, Bi, Ca, Cd, Cr, Co, Cu, Fe, Mg, Mn, Na, Ni, Pb, Sb, Si, Sn, Sr, Ti, V, Zn, Zr	ASTM E1251
<u>Titanium</u> : Al, Bi, C, Cr, Cu, Fe, H, Mn, Mo, N, Ni, O, Pb, S, Sn, V, Ti, Se, Zr	ASTM E2994
<u>Copper</u> : Ag, Al, As, Be, Bi, C, Cd, Co, Cr, Cu, Fe, Mg, Mn, Ni, P, Pb, Se, Sb, Si, Sn, S, Te, Zn, Zr	EN 15079
<u>Nickel</u> : Al, B, C, Co, Cr, Cu, Fe, Mg, Mn, Mo, N, Nb, Ni, P, Pb, S, Si, Sn, Ta, Ti, V, W, Zr	ASTM E3047
<u>Cast Iron</u> : B, C, Ca, Ce, Cr, Co, Cu, Mg, Mn, Mo, N, Nb, Ni, P, Pb, Si, S, Sn, Ta, Ti, V, W, Zr	ASTM E1999, A751
<u>High Mn Steel</u> : Al, C, Cr, Cu, Mn, Mo, N, Ni, P, S, Si	ASTM E2209, A751

<u>Test Description:</u>	<u>Test Method(s):</u>
Combustion/Absorption Analysis LECO – C, N, O, S	ASTM E1019, E1409, E1941
Density of Compacted or Sintered Powder Metallurgy (PM) Products Using Archimedes Principle	ASTM B962, B963, B311
Fusion Analysis – Titanium & Steel & Aluminum LECO – Hydrogen	ASTM E1447, E2792
Graphitic Carbon – Cast Iron	ASTM E351
Hexavalent Chrome	ISO 3613; GMW 3034; DX 900359
Inductively Coupled Plasma (ICP)	ASTM E1479, E2371



Accredited Laboratory

A2LA has accredited

SGS NORTH AMERICA INC.

Melrose Park, IL

for technical competence in the field of

Chemical 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 21st day of December 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 510.02
Valid to December 31, 2024

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