



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT CHARLOTTE
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Charlotte, NC 28273
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CHEMICAL

Valid To: December 31, 2026

Certificate Number: 2335.02

In recognition of the successful completion of the A2LA evaluation process accreditation is granted to this laboratory to perform the following spectroscopy tests on metals and metal products (Aluminum, Cast Iron, Cobalt, Copper, Nickel, Titanium):

Test

Test Method(s)

Combustion & Fusion Analysis¹
Hydrogen (Titanium only)/ Oxygen, Nitrogen, and Hydrogen
by Inert Gas Fusion

ASTM E1447, E2792, E1019,
E1941, E1409; SOP 14000

Carbon/Sulfur Analysis by Combustion¹

ASTM E1019; SOP 13.00

Optical Emission Spectroscopy (OES)^{1,2}
(Al, B, C, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni,
P, Pb, S, Si, Sn, Sr, Ta, Ti, V, W, Zn, Zr)

ASTM E415, E1086, E1251,
E2994, E1999, E3047;
SOP 12.00, SOP 14000

¹ This laboratory performs field testing activities for these tests.

² The laboratory is accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed below; however, the inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications. Inclusion of these material specifications on this Scope also does not confer accreditation for every method embedded within the specification. Only the methods listed above on this Scope are accredited.

Test	Material Specification
Optical Emission Spectroscopy (OES) (Al, B, C, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni, P, Pb, S, Si, Sn, Sr, Ta, Ti, V, W, Zn, Zr)	API 5LD



Accredited Laboratory

A2LA has accredited

ELEMENT CHARLOTTE

Charlotte, NC

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 2nd day of December 2024.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2335.02
Valid to December 31, 2026

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