

### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### ELEMENT CHARLOTTE 1200 Westinghouse Blvd., Suite A 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 <u>metals and metal products (Aluminum, Cast Iron, Cobalt, Copper, Nickel, Titanium)</u>:

<u>1 est</u>	1 est Method(s)
Combustion & Fusion Analysis <sup>1</sup> Hydrogen (Titanium only)/ Oxygen, Nitrogen, and Hydrogen by Inert Gas Fusion	ASTM E1447, E2792, E1019, E1941, E1409; SOP 14000
Carbon/Sulfur Analysis by Combustion <sup>1</sup>	ASTM E1019; SOP 13.00
Optical Emission Spectroscopy (OES) <sup>1, 2</sup> (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

<sup>&</sup>lt;sup>1</sup> This laboratory performs field testing activities for these tests.

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<sup>&</sup>lt;sup>2</sup> 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)	API 5LD
(Al, B, C, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni,	
P, Pb, S, Si, Sn, Sr, Ta, Ti, V, W, Zn, Zr)	

(A2LA Cert. No. 2335.02) Revised 01/24/2025

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# **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).

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Presented this 2<sup>nd</sup> day of December 2024.

Mr. Trace McInturff, Vice President, Accreditation Services

For the Accreditation Council Certificate Number 2335.02

Valid to December 31, 2026