



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ANALYTICAL PROCESS LABORATORIES, INC.

8222 West Calumet Road

Milwaukee, WI 53223

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CHEMICAL

Valid To: September 30, 2025

Certificate Number: 0431.03

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

**Test:**

Chemical Analysis of Steel Products<sup>2</sup>

Chemical Analysis by EDS

(Semi-quantitative with SEM)

Detectable Elements Down to Boron

Chemical Analysis by OES

Carbon and Low Alloy Steel:

(Al, B, C, Co, Cr, Cu, Mn, Mo, Nb, Ni, P, Pb, S, Si, Sn, Ti, V, W)

Stainless Steel:

(Al, C, Co, Cr, Cu, Mn, Mo, Nb, Ni, P, S, Si, Sn, Ti, V, W)

Aluminum Alloys:

(Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Sn, Ti, Zn)

Cast Iron:

(Al, B, C, Cr, Cu, Mg, Mn, Mo, Ni, P, Pb, S, Si, Sn, Ti, V)

Copper Alloys:

(Al, Co, Fe, Mn, Nb, Ni, P, Pb, S, Si, Sn, Zn)

Chemical Analysis by XRF

Slags:

(Al<sub>2</sub>O<sub>3</sub>, CaO, Cr<sub>2</sub>O<sub>3</sub>, CuO, FeO, K<sub>2</sub>O, MgO, MnO,

Na<sub>2</sub>O, Nb<sub>2</sub>O<sub>5</sub>, P<sub>2</sub>O<sub>5</sub>, S, SiO<sub>2</sub>, SrO, TiO<sub>2</sub>, V<sub>2</sub>O<sub>5</sub>, ZrO<sub>2</sub>)

Trace Elements:

(Ag, As, Bi, Ca, Ce, La, Sb, Se, Ta, Te, Zn, Zr)

Melt Preparation for OES

**Test Method(s)<sup>1</sup>:**

ASTM A751

ASTM E1508

ASTM E415, E1086, E1251,

E1999;

EN 15079

ASTM E1621

ASTM E1306

**Test:**

Metals Identification, Grade Verification & Sorting<sup>2</sup>

Combustion:

C, S, N and O

H in Titanium

Corrosion:

Salt Spray

Intergranular Corrosion

**Test Method(s)<sup>1</sup>:**

ASTM E1476

ASTM E1019

ASTM E1447

ASTM B117

ASTM G28 (Method A);  
G48 (Methods A and C);  
A262 (Methods B, E and F)

<sup>1</sup>When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements-Accreditation of ISO-IEC 17025 Laboratories*.

<sup>2</sup> This is a Guide/Practice and not a Test Method.



## Accredited Laboratory

A2LA has accredited

# ANALYTICAL PROCESS LABORATORIES, INC.

Milwaukee, WI

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 1<sup>st</sup> day of November 2023.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0431.03  
Valid to September 30, 2025

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