



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ANALYTICAL PROCESS LABORATORIES, INC.

8222 West Calumet Road

Milwaukee, WI 53223

Joseph Worzala Phone: 414 355 3909

CHEMICAL

Valid To: September 30, 2023

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 by EDS
(Semi-quantitative with SEM)
Detectable Elements Down to Boron

Test Method(s)¹:

ASTM E1508

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)

ASTM E415, E1086, E1251,
E1999;
EN 15079

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:
(Al₂O₃, CaO, Cr₂O₃, CuO, FeO, K₂O, MgO, MnO,
Na₂O, Nb₂O₅, P₂O₅, S, SiO₂, SrO, TiO₂, V₂O₅, ZrO₂)

ASTM E1621

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

Combustion:
C, S, N and O
H in Titanium

ASTM E1019
ASTM E1447

Melt Preparation for OES

ASTM E1306

¹When 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*.





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 25th day of October 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0431.03
Valid to September 30, 2023

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