



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DALEVILLE

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CHEMICAL

Valid To: August 31, 2024

Certificate Number: 0174.01

In recognition of the successful completion of the A2LA evaluation process (including compliance to R223 – Specific Requirements – GE Aviation S-400 Accreditation Program), accreditation is granted to this laboratory to perform the following tests on materials, metals and fasteners:

**Test(s):**

**Test Method(s):**

Spectroscopy

ICP - (Ag, Al, Ar, As, Au, B, Ba, Be, Bi, C, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, I, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, N, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr)

ASTM E1479, E2594, E2371;  
CTP 3101<sup>1,2</sup>

Atomic Absorption - Graphite Furnace (Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Cl, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr)

ASTM E1184; CTP 3096-2<sup>2</sup>

Optical Emission - (Al, As, B, Be, Bi, C, Cd, Ce, Co, Cr, Cu, Fe, Hf, Mg, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ta, Te, Ti, V, W, Y, Zn, Zr)

ASTM E415, E1086, E1251;  
CTP 3094<sup>2</sup>

DCP - (Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pd, Pr, Pt, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr)

ASTM E1097; CTP 3005<sup>2</sup>

X-ray Analysis - (Ag, Al, As, B, Ba, Be, Bi, Co, Cr, Cu, Fe, Ga, Hf, La, Mg, Mn, Mo, Nb, Ni, P, Pb, Rh, Ru, S, Si, Sn, Sr, Ta, Ti, V, W, Y, Zn, Zr)

ASTM E322, E539, E572,  
E1085, E1621; CTP 3093<sup>2</sup>

**Test(s):**

**Test Method(s):**

Combustion / Inert Gas Fusion

Combustion (LECO) (C, S)

ASTM E1019, E1941;  
CTP 3098<sup>2</sup>

Inert Gas Analysis (LECO) (H, N, O)

ASTM E1019, E1409, E1447;  
CTP 3097<sup>2</sup>, CTP 3008-1<sup>2</sup>

Wet Chemistry

Gravimetric

ASTM E478; CTP 3024<sup>2</sup>

Electrochemical Deposition

ASTM E53; CTP 3024<sup>2</sup>

Physical Properties

Density

ASTM B311; CTP 3030-1<sup>2</sup>

Coating Weight

ASTM A90/A90M; CTP 3069<sup>2</sup>

Mercurous Nitrate

ASTM B154; PTP 1044<sup>2</sup>

<sup>1</sup>This standard is a specification and is used to support the ICP test methods on the Lab's scope.

<sup>2</sup>In-House Test Method.



# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY DALEVILLE

*Daleville, IN*

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 laboratory also meets the requirements of R223 – Specific Requirements – GE Aviation S-400 Accreditation Program. 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 11<sup>th</sup> day of July 2022.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0174.01  
Valid to August 31, 2024

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