



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELEMENT HUNTINGTON BEACH
15062 Bolsa Chica Street
Huntington Beach, CA 92649
Jennifer Kent Phone: 714 892 1961

CHEMICAL

Valid To: October 31, 2020

Certificate Number: 0093.01

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 types of metals tests:

<u>Test(s):</u>	<u>Test Method(s):</u>
Combustion (LECO) Analysis for Carbon & Sulfur	ASTM E1019, E1941; SOP 7.00 ¹
Fusion Analysis (LECO) for Oxygen, Nitrogen, and Hydrogen	ASTM E1019, E1409, E1447; SOP 13.00 ¹ , 14.00 ¹
Optical Emission Spectrochemical (OES) Analysis (Al, B, Be, Bi, C, Cd, Co, Cr, Cu, Mn, Mo, N, Nb, Nd, Ni, P, Pb, S, Se, Si, Sr, Ta, Ti, V, W, Zn, Zr,)	ASTM E227, E415, E1086, E1251; SOP 2.02 ¹
Portable X-ray Dispersive Analysis (PMI) Semi-quantitative analysis	SOP 6.01 ¹
Atomic Absorption (AA) for Trace Elements (Ag, As, Bi, Cd, In, Pb, Sb, Se, Sn, Te, Tl in Ni base alloys)	ASTM E1184, E1834, E1852; SOP 10.10 ¹
Inductive Coupled Plasma (ICP) (Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Cp, Ce, Co, Cr, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Re, Rh, Ru, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr)	SOP 17.00 ¹ ; ASTM E1479
X-Ray Fluorescence (XRF) (Ag, Al, Bi, Cb, Co, Cr, Cu, Fe, Hf, Mn, Mo, Nb, Ni, P, Pb, Re, Sb, Si, Sn, Ta, Ti, V, Y, W, Zn, Zr)	ASTM E322, E539, E572, E1085

¹Laboratory Developed Method



Accredited Laboratory

A2LA has accredited

ELEMENT HUNTINGTON BEACH

Huntington Beach, CA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 29th day of May 2018.

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

Vice President Accreditation Services
For the Accreditation Council
Certificate Number 93.01
Valid to October 31, 2020
Revised August 21, 2020

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