



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELEMENT NEWTOWN
2 Pheasant Run
Newtown, PA 18940
Bill Hontz Phone: 215 579 7500

CHEMICAL

Valid To: April 30, 2020

Certificate Number: 0478.02

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 metals, metal alloys, metal fasteners and aircraft components:

<u>Test</u>	<u>Test Methods</u>
Combustion	
Combustion Analysis (C, S) Low Alloy Steel Base Alloys, Stainless Steel Base Alloys, Ni Base Alloys, Co Base Alloys, Ti Base Alloys	ASTM E1019
Combustion Analysis (N ₂ , O ₂) Low Alloy Steel Base Alloys, Stainless Steel Base Alloys, Ni Base Alloys, Co Base Alloys, Cu Base Alloys	ASTM E1019
Inert Gas	
Inert Gas Fusion (N ₂ , O ₂) Ti Base Alloys	ASTM E1409
Inert Gas Fusion (H ₂) Ti Base Alloys	ASTM E1447
Optical Emission Spectroscopy (OES) Low Alloy Steel Base Alloys (Al, C, Cr, Cu, Mn, Mo, Ni, P, Pb, S, Si, Ti, V)	ASTM E415, E1086, E1251
Stainless Steel Base Alloys (Al, C, Cr, Cu, Mn, Mo, Ni, P, Pb, S, Si, Ti, V)	
Al Base Alloys (Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Sr, Ti, V, Zn, Zr)	

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Optical Emission Spectroscopy (OES) (Continued)

ASTM E415, E1086, E1251

Ni Base Alloys

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

Co Base Alloys

(Al, C, Cr, Fe, Mn, Mo, Ni, P, S, Si, Ta, Ti, V, W)

Cu Base Alloys

(Al, Be, Fe, Mn, Ni, P, Pb, Sb, Si, Sn, Zr)

Ti Base Alloys

(Al, C, Cr, Cu, Fe, Mo, Ni, Si, Sn, V, Zr)



Accredited Laboratory

A2LA has accredited

ELEMENT NEWTOWN

Newtown, PA

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 S400 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 14th day of May 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 0478.02
Valid to April 30, 2020

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