



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CARPENTER TECHNOLOGY CORPORATION¹

101 West Bern St.
Reading, PA 19601
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CHEMICAL

Valid To: July 31, 2021

Certificate Number: 3155.02

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 at the location listed above as well as the one satellite laboratory location listed below to perform the following tests on metals, metal alloys, and metal fasteners:

Test

Test Methods

Spectroscopy²

Atomic Absorption

Flame

Graphite Furnace

Atomic Emission Spectroscopy – Inductively Coupled Plasma (ICP)

ICP Mass Spectroscopy

Atomic Emission Vacuum Spectrometric Analysis (AES)

Carbon and Low-Alloy Steel

Stainless Steel

X-Ray Analysis

Low-Alloy Steel

Stainless Steel

Ni-Base Alloys

DSC – Determination of Gamma Prime Solvus Temperature

ASTM E1835

ASTM E1184, E1770, E1834

ASTM E1479, E2594

SOP-206.8500

ASTM E415;

SOP-079.621, -079.622

ASTM E1086

ASTM E1085

ASTM E572

ASTM E2465

SOP 206.9100

Combustion

Combustion (LECO) (C, N, O, S)

ASTM E1019

Wet Chemical Analysis²

ASTM E350, E352, E353,

E354, E1473

¹This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed on page two.

²The testing attached to this footnote includes the following elements: Ag, Al, As, B, Be, Bi, C, Ca, Cd, Ce, Co, Cr, Cu, Fe, Ga, Gd, Ge, Hf, Hg, La, Mg, Mn, Mo, N, Nb, Nd, Ni, O, P, Pb, Pr, Pt, Re, S, Sb, Se, Si, Sn, Ta, Te, Ti, Tl, V, W, Y, Zn, Zr

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Carpenter Focus Facility
22110 Thomas L. Hammons Road
Tanner, AL 35671

Test

Test Methods

Spectroscopy³

ICP Mass Spectroscopy

SOP-0F3.7116.206.8530

Atomic Emission Vacuum Spectrometric Analysis (AES)³

Carbon and Low-Alloy Steel

ASTM E415

Stainless Steel

ASTM E1086

X-Ray Analysis³

Low-Alloy Steel

ASTM E1085

Stainless Steel

ASTM E572

Ni-Base Alloys

ASTM E2465

DSC – Determination of Gamma Prime Solvus Temperature

SOP-0F3.746.206.9100

Combustion

Combustion (LECO) (C, N, O, S)

ASTM E1019

³The testing attached to this footnote includes the following elements: Ag, Al, As, B, Bi, C, Ca, Cd, Ce, Co, Cr, Cu, Fe, La, Mg, Mn, Mo, N, Nb, Ni, O, P, Pb, S, Sb, Se, Si, Sn, Ta, Te, Ti, Tl, V, W, Zn, Zr (XRF except B)





Accredited Laboratory

A2LA has accredited

CARPENTER TECHNOLOGY CORPORATION

Reading, PA

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 12th day of July 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3155.02
Valid to July 31, 2021

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