



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CARPENTER FOCUS FACILITY
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Tanner, AL 35671
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MECHANICAL

Valid To: July 31, 2023

Certificate Number: 3155.03

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 tests on metals, metal alloys, and metal fasteners:

Test

Test Methods

Mechanical Testing

Charpy Impact (-112 °F to RT)

ASTM E23

Fracture Toughness

ASTM E399

Hardness:

Brinell (10 mm – 3000 kg)

ASTM E10

Rockwell (B, C)

ASTM E18

Stress Rupture / Creep Rupture (400 to 1600) °F

ASTM E139, E292

Tensile:

Elevated Temperature (400 to 1600) °F

ASTM E21

Room Temperature

ASTM E8/E8M

Heat Treatment¹ (-100 to 2200) °F

AMS 2750

Metallographic Evaluation

Decarburization

ASTM E1077

Delta Ferrite

AMS 2315

Grain Size

ASTM E930, E112, E1181

Inclusion Content / Microcleanliness

ASTM E45 (Methods A, D and E)

Intergranular Corrosion

ASTM A262 (Practice A)

Macroetch

ASTM A604, E340, E381

Chemical Testing

Spectroscopy

ICP Mass Spectroscopy²

SOP-0F3.7116.206.8530

Atomic Emission Vacuum Spectrometric Analysis (AES)²

Carbon and Low-Alloy Steel

ASTM E415

Stainless Steel

ASTM E1086

Test**Test Methods****Spectroscopy continued****X-Ray Analysis²**

Low-Alloy Steel

Stainless Steel

Ni-Base Alloys

DSC – Determination of Gamma Prime Solvus
Temperature

ASTM E1085

ASTM E572

ASTM E2465

SOP-0F3.746.206.9100

Combustion

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

ASTM E1019

¹Heat Treatment performed only on samples prior to testing. (Heat Treat Capability) including age, anneal, austenitize, bake, heat resistance, normalize, stress relieve, quench & temper.

²This testing 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 FOCUS FACILITY

Tanner, AL

for technical competence in the field of

Mechanical 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 22nd day of July 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3155.03
Valid to July 31, 2023

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