



Accredited Laboratory

A2LA has accredited

ELGILOY SPECIALTY METALS

Hampshire, IL

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 23rd day of March 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5038.01
Valid to December 31, 2024

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELGILOY SPECIALTY METALS
1 Hawk Road
Hampshire, IL 60140
Doug Tannenbaum Phone: (847) 453-1345

MECHANICAL

Valid To: December 31, 2024

Certificate Number: 5038.01

In recognition of the successful completion of the A2LA Accreditation Program (including compliance to R223-Specific Requirements – GE Aviation S-400 Accreditation program), accreditation is granted to this laboratory to perform the following tests on stainless steel, nickel and cobalt alloys, and titanium alloy products:

Test:

Corrosion Tests:

Intergranular Corrosion Susceptibility

Test Methods:

ASTM A262 Practices A and E,
ASTM G28

Metallographic Evaluations:

Alloy Depletion

Alpha Case

Grain Size (Comparison)

IGO

Inclusion Content

Microetching

Preparation of Metallographic Specimens

CMC/ESM-C-QC-LAB-WI-0344
GEAE P3TF19, P2TF32;
CMC/ESM-C-QC-LAB-WI-0344,
ASTM E112, ASTM E930, ASTM E1181;
CMC/ESM-C-QC-LAB-WI-0344
CMC/ESM-C-QC-LAB-WI-0344

ASTM E45
ASTM E407
ASTM E3

Hardness Tests:

Rockwell (B, C)

Rockwell Superficial (15N, 30N, 45N, 15T, 30T, 45T)

Microhardness:

Vickers (100g – 1000g)

ASTM E18
ASTM E18

ASTM E92, ASTM E384

Mechanical Tests:

Bend

Heat Treating

Room Temperature Tensile Testing

ASTM A370, ASTM E290
AMS 2750
ASTM E8/E8M, ASTM A370