



# 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 23<sup>rd</sup> day of March 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

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:**

**Test Methods:**

Corrosion Tests:

Intergranular Corrosion Susceptibility

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