



Accredited Laboratory

A2LA has accredited

DICKSON TESTING COMPANY, INC.

South Gate, CA

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 22nd day of April 2022.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1772.01
Valid to April 30, 2024

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DICKSON TESTING COMPANY, INC.
11126 Palmer Avenue
South Gate, CA 90280
Tracey Nguyen Phone: 562 674 2323

CHEMICAL

Valid To: April 30, 2024

Certificate Number: 1772.01

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 and alloys:

Test:	Test Method(s):
Optical Emission Vacuum Spectrometric Analysis of Carbon and Low-Alloy Steels (OES)	ASTM E415
Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry (OES)	ASTM E1086
Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry (OES)	ASTM E1251
Analysis of Cast Iron by Spark Atomic Emission Spectrometry (OES)	ASTM E1999
Analysis of Nickel Alloys by Spark Atomic Emission Spectrometry (OES)	ASTM E3047
X-Ray Emission Spectrometric Analysis of Stainless Steel Alloys (XRF)	ASTM E572
X-Ray Emission Spectrometric Analysis of Titanium Alloys (XRF)	ASTM E539
Determination of Carbon, Sulfur, Nitrogen and Oxygen in Steel and in Iron, Nickel, and Cobalt Alloys (LECO)	ASTM E1019
Determination of Hydrogen in Titanium by Inert Gas Fusion (LECO)	ASTM E1447
X-Ray Emission Spectrometric Analysis of Low-Alloy Steels and Cast Iron (XRF)	ASTM E1085
Optical Emission Vacuum Spectrometric Analysis of Stainless Steel by the Point-to-Plane Technique (OES)	ASTM E1086
Practice for Electrothermal (Graphite Furnace) Atomic Absorption Analysis (Ag, As, Bi, Ga, In, Pb, Sb, Se, Sn, Te, Tl)	ASTM E1184
Optical Emission Spectrometric Analysis of Aluminum and Aluminum Alloys by the Argon Atmosphere, Point-to-Plane Method (OES)	ASTM E1251
Practice for Describing and Specifying Inductively-Coupled Plasma Optical Emission Spectrometers (ICP-OES) (B, Be, Ca, Co, Cr, Cu, Mg, Na, Ni, P, Pd, Pt, Re, Sb, Si, Zn,)	ASTM E1479
Determination of Nitrogen and Oxygen in Titanium by Inert Gas Fusion Technique	ASTM E1409

The laboratory is only accredited for the test methods listed above. The accredited test methods are used along with the listed practice below. The inclusion of this practice on this Scope does not confer laboratory accreditation to the practice nor does it confer accreditation for the method(s) embedded within the practice:

ASTM E1172 Standard Practice for Describing and Specifying a Wavelength-Dispersive X-Ray Spectrometer



Accredited Laboratory

A2LA has accredited

DICKSON TESTING COMPANY, INC.

South Gate, CA

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 April 2022.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1772.02
Valid to April 30, 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

DICKSON TESTING COMPANY, INC.
11126 Palmer Avenue
South Gate, CA 90280
Tracey Nguyen Phone: 562 674 2323

MECHANICAL

Valid To: April 30, 2024

Certificate Number: 1772.02

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 and alloys for commercial and aerospace industries:

<u>Test:</u>	<u>Test Method(s):</u>
Tension Testing of Metallic Materials:	
Ambient Temperature	ASTM A370, B557, E8/E8M
High Temperature (Up to 2000 °F)	ASTM E21
Compression	ASTM E9
Shear	MIL-STD-1312-13
Bend Test	ASTM E190, E290
Hardness:	
Rockwell & Superficial (B, C, E, 15T, 30T, 45T)	ASTM A370, E18
Brinell (500 kg, 1000 kg, and 3000 kg)	ASTM A370, E10
Microhardness (Vickers, Knoop) (100 g to 1 kg)	ASTM E384
Impact (Charpy, Izod) (-200 °F to 1800 °F)	ASTM A370, E23
Creep / Creep Rupture / Stress Rupture	ASTM E139
Notched Stress Rupture	ASTM E292
Plane-Strain Fracture Toughness	ASTM B645, E399, E1304
Stress Corrosion	ASTM G38, G44, G47
Axial Fatigue (Room Temperature)	ASTM E466
Low Cycle Fatigue Testing	ASTM E606
Conductivity of Aluminum (Eddy Current)	BAC 5651
Metallographic Analysis:	
Preparation	ASTM E3
Macroetching	ASTM E340
Microscopic Examination by Etching	ASTM E407; ASM Metals Handbook Volume 9
Macrostructure	ASTM A604, E381
Inclusion content	ASTM E45
Grain Size	ASTM E112, E930
Intergranular Corrosion	ASTM A262 (Practices A and E)
Alpha Case Depth	MIL-F-83142 (Paragraph 3.2.3)
Depth of Decarburization	ASTM E1077
Determination of Delta Ferrite Content	AMS 2315
Beta Transus Determination	DIN EN 3684