



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

OMEGA RESEARCH INC.  
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MECHANICAL

Valid To: January 31, 2025

Certificate Number: 1252.01

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 metal and coatings tests:

<b><u>Test</u></b>	<b><u>Test Methods</u></b>
Adhesion	ASTM B571 (Sections 3, 5, and 7)
Coating Weights	ASTM B137; MIL-A-8625; MIL-DTL-16232
Plating / Coating Thickness	ASTM B487
Heat Resistance	AMS-2403, AMS-2424
Hydrogen Embrittlement (Stress Durability)	ASTM F519
Metallography	ASTM E3, F2111; MIL-DTL-13924; Omega Research Procedure 9.0
Microhardness (HV100, HK25, HK100, HK500)	ASTM B578, ASTM E384
Porosity	AMS-QQ-C-320A (Withdrawn July 2007); AMS-2460, AMS-2438; ASTM B733; AMS-P-81728; MIS-41177
Salt Spray Corrosion Testing	ASTM B117
Taber Abrasion	ASTM D4060; FED-STD-141c (Method 6192.1)
Impact	ASTM D2794
Solderability	ASTM B678; QQ-S-365 (Withdrawn February 2001)
Electrical Resistivity Testing	AMS-2477; MIL-C-81706 <sup>1</sup> , MIL-DTL-5541, MIL-DTL-81706
Etch Inspection of High Strength Steel Parts	AMS 2649
Wet Tape Adhesion	ASTM D3359; FED-STD-141c (Method 6301.3); MIL-DTL-5541



# Accredited Laboratory

A2LA has accredited

**OMEGA RESEARCH INC.**

*Decatur, TX*

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 S400 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 29<sup>th</sup> day of November 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1252.01  
Valid to January 31, 2025  
Revised April 11, 2023

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