SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NATIONAL INSTITUTE FOR AVIATION RESEARCH (NIAR) AT
WICHITA STATE UNIVERSITY[1]
National Institute for Aviation Research Building
1845 Fairmount Street
Wichita, KS 67260-0093
Keith Fitzgeralds Phone: 316 978 7272

MECHANICAL

Valid To: November 30, 2023 Certificate Number: 3210.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the satellite location listed below to perform the following tests on composite materials, plastics, and metals:

Test Method	Test Description
ASTM D695	Compressive Properties of Rigid Plastics
ASTM D2344/D2344M	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASTMD3039/D3039M	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
ASTM D3518/D3518M	Standard Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a ±45° Laminate
ASTM D3846	Test Method for In-Plane Shear Strength of Reinforced Plastics
ASTM D5379/D5379M	Shear Properties of Composite Materials by the V-Notch Beam Method
ASTM D5766/D5766M	Standard Test Method for Open-Hole Tensile Strength of Polymer Matrix Composite Laminates
ASTM D5961/D5961M	Standard Test Method for Bearing Response of Polymer Matrix Composite Laminates
ASTM D6415/D6415M	Standard Test Method for Measuring the Curved Beam Strength of a Fiber-Reinforced Polymer-Matrix Composite

Test Method	Test Description
ASTM D6484/D6484M	Standard Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates
ASTM D6641/D6641M	Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture
ASTM D6742/D6742M	Standard Practice for Filled-Hole Tension and Compression Testing of Polymer Matrix Composite Laminates
ASTM D7137/D7137M	Standard Test Method for Compressive Residual Strength Properties of Damaged Polymer Matrix Composite Plates
SRM 1R-94	Test Method for Compressive Properties of Oriented Fiber-Resin Composites
ASTM B831	Standard Test Method for Shear Testing of Thin Aluminum Alloy Products
ASTM B769	Standard Test Method for Shear Testing of Aluminum Alloys
ASTM E8/E8M	Standard Test Methods for Tension Testing of Metallic Materials
ASTM E9	Standard Test Methods of Compression Testing of Metallic Materials at Room Temperature
ASTM E238	Standard Test Method for Pin-Type Bearing Test of Metallic Materials
ASTM E21	Standard Test Methods for Elevated Temperature Tension Tests of Metallic Materials
ASTM E466	Standard Practice for Conducting Force Controlled Constant Amplitude Axial Fatigue Tests of Metallic Materials
ASTM E647	Standard Test Method for Measurement of Fatigue Crack Growth Rates
ASTM E399	Standard Test Method for Linear-Elastic Plane Strain Fracture Toughness of Metallic Materials

NIAR Coliseum[1]
1279 E 85th St N
Park City, KS 67206
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ASTM D6415/D6415M	Standard Test Method for Measuring the Curved Beam Strength of a Fiber-Reinforced Polymer-Matrix Composite
ASTM D6484/D6484M	Standard Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates
ASTM D6641/D6641M	Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture
ASTM D6742/D6742M	Standard Practice for Filled-Hole Tension and Compression Testing of Polymer Matrix Composite Laminates
ASTM D7137/D7137M	Standard Test Method for Compressive Residual Strength Properties of Damaged Polymer Matrix Composite Plates

Test Method	Test Description
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[1] This accreditation covers testing performed at all laboratory locations listed in this scope.

Accredited Laboratory

A2LA has accredited

NATIONAL INSTITUTE FOR AVIATION RESEARCH (NIAR) AT WICHITA STATE UNIVERSITY

Wichita, KS

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 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 29th day of November 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3210.02
Valid to November 30, 2023

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