



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Gateway Materials Test Center
2901 East Gate City Blvd., Suite G300
Greensboro, NC 27401

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the fields of

CALIBRATION and TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

ACT-2020

Certificate Number


ANAB Approval

Certificate Valid Through: 12/22/2019
Version No. 004 Issued: 02/06/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Gateway Materials Test Center

2901 East Gate City Blvd., Suite G300
Greensboro, NC 27401

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CALIBRATION AND TESTING

Valid to: **December 22, 2019**

Certificate Number: **ACT-2020**

Testing

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates	ASTM D2344/D2344M – 16 GMTC-3011	Composites	Instron Load Frame
Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials	ASTM D3039/D3039M – 14 GMTC-3008	Composites	Instron Load Frame
Standard Test Method for Shear Properties of Composite Materials by the V-Notched Beam Method	ASTM D5379/D5379M – 12 GMTC-3010	Composites	Instron Load Frame
Standard Test Method for Open-Hole Compressive Strength of Polymer Matrix Composite Laminates	ASTM D6484/D6484M – 14 GMTC-3012	Composites	Instron Load Frame
Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading compression (CLC) Test Fixture	ASTM D6641/D6641M-16e1 GMTC-3009	Composites	
Standard Test Method for Flexural Properties of Polymer Matrix Composite Materials	ASTM D7264/D7264M – 15 GMTC-3013	Composites	Instron Load Frame

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Test Method for Climbing Drum Peel for Adhesives	ASTM D1781-98(2012) GMTC-3104	Sandwich Core	Instron Load Frame
Standard Test Method for Shear Properties of Sandwich core Materials	ASTM C273/C273M – 16 GMTC-3102	Sandwich Core	
Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions	ASTM C297/C297M-16 GMTC-3107	Sandwich Core	
Standard Test Method for Edgewise Compressive Strength of Sandwich Constructions	ASTM C364/C364M-16 GMTC-3103	Sandwich Core	
Standard Test Method for Flatwise Compressive Properties of Sandwich Cores	ASTM C365/C365M-16 GMTC-3108	Sandwich Core	Instron Load Frame
Standard Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure	ASTM C393/C393M-16 GMTC-3105	Sandwich Core	Instron Load Frame
Standard Test Method for Density of Sandwich Core Materials	ASTM C271/C271M-16 GMTC-3106	Sandwich Core	Balance Micrometer Height Gage
Standard Test Method for Breaking Strength and Elongation of Textile Webbing, Tape and Braided Material	ASTM D6775 – 13 GMTC-3306	Textiles	Instron Load Frame
Interlaminar Fracture Toughness by Double Cantilever Beam Method	Boeing BSS-7273 GMTC-3110	Composites	Instron Load Frame
Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape-Test Methods A&F	ASTM D3330-04(2010) GMTC-3202 (Method F) GMTC-3203 (Method A)	Composites	Instron Load Frame
Standard Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal specimens by Tension Loading (Metal-to-Metal)	ASTM D1002-10 GMTC-3204	Metals	Instron Load Frame



Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Test Method for Strength Properties of Adhesives in Shear by Tension Loading of Single-Lap-Joint Laminated Assemblies	ASTM D3165-07(2014) GMTC-3201	Composites/Metals	Instron Load Frame
Standard Test Method for Tension Testing of Metallic Materials	ASTM E8/E8M-16a GMTC-3205	Metals	Instron Load Frame
Standard Test Method for Rubber Property—Durometer Hardness	ASTM D2240-15 GMTC-3023	Plastic/Rubber	Durometer

Calibration

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Load Cells ¹	Up to 50 000 lbs	0.118 + 0.000 7*RDG	Load Cells, Weights

Length – Dimensional Measurement

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ¹	Up to 12 in	270 + 58*L	Gage Blocks
Micrometers ¹	Up to 12 in	52 + 32*L	Gage Blocks
Height Gages ¹	Up to 24 in	420 + 24*L	Gage Blocks
Extensometers ¹	Up to 2 in	Gauge Length: 530 + 200*L Extension: 24 + 80*L	Gage Blocks
Universal Testing Machines ¹	Up to 24 in	105 + 16*L	Gage Blocks

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Note:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. ACT-2020.



Vice President

