This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Cincinnati Testing Labs Inc.

1775 Carillon Blvd
Cincinnati, OH 45240
United States

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Non Metallic Materials Testing

Certificate Number: 3566173847
Expiration Date: 30 April 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer

SCOPE OF ACCREDITATION

Non Metallic Materials Testing

Cincinnati Testing Labs Inc.
1775 Carillon Blvd
Cincinnati, OH 45240

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: www.eAuditNet.com - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

AC7122/1 Rev B - Nadcap Audit Criteria for Non Metallic Materials Testing – Mechanical Testing

1.1.1 Tensile Ambient Temperature
1.1.2 Tensile Non–ambient Temperature
1.1.3 Tensile Strain Measurement
1.10.1 T–Peel
1.12.1 Climbing Drum Peel
1.13.1 Floating Roller Peel
1.17.1 Bearing Strength
1.18.1 G1c
1.19.1 G2c
1.2.1 Compression Ambient Temperature
1.2.2 Compression Non–ambient Temperature
1.2.3 Compression Strain Measurement
1.20.1 Compression after Impact CAI
1.21.1 Flatwise tension Sandwich
1.22.1 Sandwich Flexure
1.3.1 Shear Ambient Temperature by SBS
1.3.2 Shear Ambient Temperature ±45 Tension
1.3.3 Shear Ambient Temperature by Compression
1.3.4 Shear Ambient Temperature by V Notch
1.3.5 Shear Non–ambient (any method)
1.3.6 Shear Strain Measurement
1.4.1 Flexural Ambient Temp
1.4.2 Flexural Non–ambient

1.4.3 Flexural Strain measurement
1.7.1 Impact Strength
1.8.1 Double Lap Shear Ambient Temperature
1.8.2 Double Lap Shear Non–ambient Temperature
1.9.1 Single Lap Shear Ambient Temperature
1.9.2 Single Lap Shear Non–ambient Temperature

AC7122/2 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Physical Testing

2.1.2 Hardness Testing: Barcol
2.1.3 Hardness Testing: Shore
2.2.1 Density/ Specific Gravity
2.2.2 Fiber Tow Density (Archimedes Method)
2.3.1 Resin/Fiber /Void Content by: Acid Digestion
2.3.2 Resin/Fiber /Void Content by: Burn off
2.4.1 Water Absorption

AC7122/4 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Thermal Analysis

4.1.1 Dynamic Mechanical Analysis (DMA)
4.3.1 Differential Scanning Calorimetry (DSC)
4.4.1 TMA: Glass Transition TemperatureTMA
4.5.1 DSC: Specific Heat CapacitySpecific
4.6.1 Dilatometer: Coefficient of Linear Thermal Expansion of PlasticsCTE
4.6.2 TMA: Linear Thermal Expansion of SolidsCTE

AC7122-I Rev D - Nadcap Audit Criteria for Non Metallic Materials Testing (Required) (to be used on audits on/after 7 May 2017)

Class A: Composites
Class B: Adhesive/Adhesive Primer