

Merit

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

CTL Aerospace

*5616 Spellmire Dr
Cincinnati, OH 45246
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:

Composites

Certificate Number: 6001210220
Expiration Date: 29 February 2024
Accreditation Length: 18 Months

Jay Solomond
Executive Vice President & Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

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SCOPE OF ACCREDITATION

Composites

CTL Aerospace
5616 Spellmire Dr
Cincinnati, OH 45246

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:

AC7000 - AUDIT CRITERIA FOR NADCAP ACCREDITATION

AC7118 Rev G - Nadcap Audit Criteria for Composites (to be used on audits on/after 5 January 2020)

- 14b – NC Ply Cutting (Applies to CP, KSP, LRP, MB or PAR)
- 15a.5 or 15a.6 – Complex Core Processing (Septum, Stabilization or Forming, Applies to CP only)
- 18a or b – Resin Preparation and Mixing (Applies to LRP Only)
- 19 a or b – Liquid Resin Infusion (Applies to LRP Only)
- 21a – Autoclave (Applies to LRP, MB or PAR)
- 21b or c or d – Oven (Applies to CMP, LRP, MB or PAR)
- 21e or f – Press (Applies to LRP, MB or PAR)
- 22b – NC Machining/Trimming/Drilling (Applies to CMP, LRP, MB or PAR)
- 23 – Miscellaneous Bonding (Applies to CMP, LRP, MB or PAR)
- CMP – Compression Molding
- CP – Core Processing
- LRP – Liquid Resin Processing
- MB – Metal Bond
- PAR – Prepreg/Adhesive Bonding/Resin Film Infusion

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
- 1.2.1 Compression Ambient Temperature
- 1.2.2 Compression Non–ambient Temperature

- 1.2.3 Compression Strain Measurement
- 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
- 1.3.5 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
- 1.9.1 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: Durometer
- 2.2.1 Density/ Specific Gravity
- 2.3.2 Resin/Fiber /Void Content by: Burn off
- 2.3.3 Resin/Fiber /Void Content by: Solvent wash
- 2.5.1 Volatile Content
- 2.6.1 Gel Time
- 2.7.1 Flow
- 2.8.1 Fiber Areal Weight
- 2.8.2 Prepreg Areal/Adhesive Film Weight

AC7122-P Rev B - Nadcap Audit Criteria for Non Metallic Materials Testing – Laboratories P - Part Manufacturers Captive Laboratories Part manufacturer's captive testing laboratories (Only in conjunction with AC7118)

Class A: Composites

Class B: Adhesive/Adhesive Primer