



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

TITANIA, Ensayos y Proyectos Industriales S.L.

*Parque Tecnológico Tecnobahia, edificio RETSE, nave 4
El Puerto de Santa María (CADIZ), 11500
Spain*

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: 10193173305
Expiration Date: 31 January 2020

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Non Metallic Materials Testing

TITANIA, Ensayos y Proyectos Industriales S.L.
Parque Tecnológico Tecnobahia, edificio RETSE, nave 4
El Puerto de Santa Maria (CADIZ) , 11500
Spain

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
 - 1.11.1 Peel (180°)
- 1.12.1 Climbing Drum Peel
- 1.13.1 Floating Roller Peel
- 1.18.1 G1c
- 1.2.1 Compression Ambient Temperature
- 1.2.2 Compression Non–ambient Temperature
- 1.2.3 Compression Strain Measurement
- 1.2.5 Flatwise Compressive, Ambient
- 1.20.1 Compression after Impact CAI
- 1.21.1 Flatwise tension Sandwich
- 1.23.1 Tube Shear
- 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
- 1.8.1 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

- 2.1.3 Hardness Testing: Shore
- 2.2.1 Density/ Specific Gravity
- 2.3.1 Resin/Fiber /Void Content by: Acid Digestion
- 2.4.1 Water Absorption
- 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
- 2.9.1 Viscosity Liquid Resin

AC7122/3 Rev A - Nadcap Audit Criteria for Non Metallic Materials Testing – Chemical Testing

- 3.1.1 IR/FTIR

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)

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
- Class C: Elastomers
- Class D: Core

Fabrication - Codes

- F.1.1 Panel Fabrication
- F.2.1 Specimen Fabrication
- F.3.1 Specimen Machining