

for Independent Laboratory

MEMO N°: AM-LAB-001-19 Rev.0

Approval Date : 13 September 2011

SUBJECT:



ANNEX 1

AC7122/1 Rev B - Nadcap Audit Criteria for Non Metallic Materials Testing – Mechanicalh6C4

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AC7101/3 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing

(A) Room Temperature Tensile
 (CT) Compression Testing
 (KR) Curve (Resistance to Fracture) Testing
 (O) High Cycle Fatigue
 (P) Fracture Toughness
 (XE) Crack Propagation/Crack Growth Testing
 (XN) Bend Testing

AC7101/4 Rev F - Nadcap Audit Criteria for Materials Test Laboratories – Metallography and Microindentation Hardness

(L0) Metallographic Evaluation
 (L11) Grain Size
 (L3) Near Surface Examinations Oxidation/Corrosion
 (L8) Near Surface Examinations Alpha Case: Wrought Titanium
 (XL) Macro Examination

AC7101/5 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Hardness Testing (Macro)

(M1) Brinell Hardness
 (M2) Rockwell Hardness

AC7101/6 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Corrosion

(Q1) Stress Corrosion

AC7101/7 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing Specimen Preparation

(Z) Standard Specimen Machining

AC7101/11 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Fastener Testing

(13) Shear Strength Double Shear
 (40L25) Metallography Grain Size
 (40L3) Metallography Oxidation / Corrosion
 (40L8) Metallography Alpha Case: Wrought Titanium
 (6)

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906/LE1788 Rev. 8 (Cont.)

Plastic and Composites. Fiber Reinforced Plastic Laminates (Cont.)

Interlaminar fracture toughness

Load (up to 250 kN)

UNE-EN 6064:2017
AITM 3-0008:1

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OTHERS (Cont.)

Test Load for Swaging of Control Cables	I+D-P-377
Moisture Absorption Properties and Equilibrium Conditioning of Polymer Matrix Composite Materials <i>Procedures B and D</i>	ASTM D5229/D5229M
Composite Laminates. Bearing Test on Fasteners Joints	I+D-E-325
Bearing/ Bypass interaction response of Polymer Laminates Using 2-Fasteners Specimens <i>Procedure B (Single shear): Tensile and compressive bearing/ bypass</i>	ASTM D7248/D7248M

Bearing Response of Polymer Matrix Composite Laminates

Procedure B

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OTHERS (Cont.)

End (Warp) and Pick (Filling) Count of Woven Fabrics	ASTM D3775
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Measuring the Fastener Pull-Through Resistance of a Fiber-Reinforced Polymer Matrix Composite