for Independent Laboratory

MEMO Nº: AM-LAB-001-19 Rev.0

Approval Date : 13 September 2011

SUBJECT:

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2019.09.19
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ANNEX 1

AC7122/1 Rev B - Nadcap Audit Criteria for Non Metallic Materials Testing – Mechanicah6C4

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
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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)*	[redacted]
[redacted]	UNE-EN 6064:2017 AITM 3-0008:1

OTHERS (Cont.)	
Test Load for Swaging of Control Cables	I+D-P-377
Moisture Absorption Properties and Equilibrium Conditioning of Polymer Matrix Composite Materials *Procedures B and D*	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 *Procedure B (Single shear): Tensile and compressive bearing/ bypass*	ASTM D7248/D7248M
Bearing Response of Polymer Matrix Composite Laminates *Procedure B*	

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