

SCOPE OF ACCREDITATION

Materials Testing

IMR Test Labs

131 Woodsedge Drive
Lansing, NY 14882

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:

AC7101/1 Rev E - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories (to be used on/After 28 August, 2011)

AC7101/2 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Chemical Testing (to be used on/after 28 August, 2011)

(F2) Atomic Emission Spectroscopy – Inductively Coupled Plasma (ICP–OES/AES)

(F3) Atomic Emission Spectroscopy – Spark/Arc (S/A–OES)

(G1) Elemental Analysis – Carbon

(G2) Elemental Analysis – Hydrogen

(G3) Elemental Analysis – Nitrogen

(G4) Elemental Analysis – Oxygen

(G5) Elemental Analysis – Sulfur

(S) X–Ray Fluorescence (XRF)

Al Base

Co Base

Cu Base

Fe Base, High Alloy

Fe Base, Low Alloy

Mg base

Ni Base

Ti Base

Americas

+ 1 724 772 1616

Asia

+ 86 10 6461 9807

www.pri-network.com

Europe

+44 870 350 5011

AC7101/3 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing (to be used on/after 28 August, 2011)

- (A) Room Temperature Tensile
- (B) Elevated Temperature Tensile
- (N) Impact
- (O) High Cycle Fatigue
- (P) Fracture Toughness
- (XN) Bend Testing
- (Y) Low Cycle Fatigue

AC7101/4 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Metallography and Microhardness (to be used on/after 28 August, 2011)

- (L) Metallography (General)
- (L1) Microindentation (Interior)
- (L10) Near Surface Examinations – Carburization
- (L2) Near Surface Examinations – Alloy Depletion
- (L3) Near Surface Examinations – Oxidation/Corrosion
- (L5) Near Surface Examinations – Microindentation (Surface)
- (L5X) Near Surface Examinations – Microindentation (Surface) (ARP1820)
- (L6) Near Surface Examinations – Nitriding
- (L7) Near Surface Examinations – IGA, IGO
- (L8) Near Surface Examinations – Alpha Case: Wrought Titanium
- (L9) Near Surface Examinations – Alpha Case: Cast Titanium
- (LS) Micro: Surface Conditions
- (XL) Metallography (Macro)

AC7101/5 Rev C - AC7101/5 – Nadcap Audit Criteria for Materials Test Laboratories – Hardness (to be used on/after 28 August, 2011)

- (M1) Brinell Hardness
- (M2) Rockwell Hardness

AC7101/6 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Corrosion (to be used on/after 28 August, 2011)

- (Q) Corrosion (General)
- (Q1) Stress Corrosion

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

- (Z) Standard Specimen Machining
- (Z3) Cast Specimens
- (Z4) Special Preparation

AC7101/9 Rev B - Nadcap Audit Criteria for Materials Test Laboratories – Heat Treating (to be used on/after 28 August, 2011)

AC7109/5 Rev D - Nadcap Audit Criteria for Coating Evaluations (Shop Floor and Laboratory (Req'd for all Coatings audits - except suppliers using Nadcap approved AC7109/5 labs)

Bond Strength – Bend
Bond Strength – Tensile
Hardness – Rockwell
Metallography/Microstructure
Microindentation Hardness – Vickers
Specimen Preparation
Surface Finish
Thickness – Metallographic

AC7110/13 Rev A - Nadcap Audit Criteria for Metallographic Evaluation of Welds

Bend Test Evaluation of Fusion Welds (for other testing purposes)
Bend Test Evaluation of Welder/Welding Operator Qualification Welds
Metallurgical Evaluation of Electron Beam / Laser Welds (identify if this process is used)
Metallurgical Evaluation of Fusion Welds (identify if this process is used)
Metallurgical Evaluation of Resistance Welds (identify if this process is used)
Metallurgical Evaluation of Welder / Welding Operator Qualifications (identify if this process is used)

AC7110/13S Rev A - Nadcap Supplemental Audit Criteria for Evaluation of Welds (This checklist is required if the audit includes AC7110/3,/4,/5,/6 or /12 and the weld supplier is performing the evaluation of welds themselves) (to be used ON/AFTER 23 April, 2011)

U10– GE Aviation
U2 – Pratt & Whitney

ISO/IEC - Currently accredited by an ILAC approved source

Lab Type - Lab Type

Independent