



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

IMR Test Labs-Derby

*Ascot Drive
Derby, DE24 8ST
United Kingdom*

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:

Materials Testing

Certificate Number: 11944166418
Expiration Date: 31 January 2017

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Materials Testing

IMR Test Labs-Derby

Ascot Drive
Derby, DE24 8ST
United Kingdom

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 F - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories (to be used on/after 14 Sept 2014)

AC7101/2 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Chemical Analysis (to be used on audits on/after 22 March 2015)

(G) Elemental Analysis (Combustion or Fusion)

(G2) – Hydrogen

Specify the Alloy Base for Accreditation

Ti Base

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

AC7101/4 Rev E - Nadcap Audit Criteria for Materials Test Laboratories – Metallography and Microindentation Hardness (to be used on/after 30 November 2014)

(L) Metallography (General)

(L1) Microindentation (Interior)

(LS) Micro: Surface Conditions

(L10) Near Surface Examinations – Carburization

(L2) Near Surface Examinations – Alloy Depletion

(L3) Near Surface Examinations – Oxidation/Corrosion

(L5) Near Surface Examinations – Microindentation (Surface)

(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

AC7101/5 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Hardness Testing (Macro) (to be used on audits on/after 22 March 2015)

- (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)

- (Q1) Stress Corrosion

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

- (Z) Standard Specimen Machining

AC7109/5 Rev F - Nadcap Audit Criteria for Coating Evaluations (Laboratory) (Req'd for all Coatings audits - except suppliers using Nadcap approved AC7109/5 labs) (to be used on audits on/after 15 April, 2015)

- Bond Strength – Tensile
- Metallography/Microstructure
- Microindentation Hardness – Vickers
- Thickness – Metallographic

Lab Type - Lab Type

Independent