

SCOPE OF ACCREDITATION

Materials Testing

Dirats Laboratories
41 Airport Rd
Westfield, MA 01086-0039

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 D - Nadcap Audit Criteria for Materials Testing Laboratories - General Requirements for All Laboratories (to be used before 28 August, 2011)

AC7101/2 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Chemical Testing (to be used before 28 August, 2011)

(F2)Atomic Emission Spectroscopy - Inductively Coupled Plasma (ICP)
(G1)Elemental Analysis - Carbon
(G2)Elemental Analysis - Hydrogen
(G3)Elemental Analysis - Nitrogen
(G4)Elemental Analysis - Oxygen
(G5)Elemental Analysis - Sulfur
(S)X-Ray Fluorescence
(V)Mass Spectroscopy
(W2)Atomic Absorption - Graphite Furnace
Al Base
Co Base
Cu Base
Fe Base, High Alloy
Fe Base, Low Alloy
Mg Base
Ni Base
Ti Base

AC7101/3 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Mechanical Testing (to be used before 28 August, 2011)

- (A) Room Temperature Tensile
- (B) Elevated Temperature Tensile
- (C) Stress Rupture
- (N) Impact
- (O) High Cycle Fatigue
- (P) Fracture Toughness
- (XA) Creep
- (XE) Crack Propagation Measurement
- (XN) Bend Testing
- (Y) Low Cycle Fatigue

AC7101/4 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microhardness (to be used before 28 August, 2011)

- (L) Metallography (General)
- (L1) Microhardness
- (L10) Other
- (L2) Near Surface Examinations - Alloy Depletion
- (L3) Near Surface Examinations - Oxidation
- (L4) Near Surface Examinations - Casting Mold Reactions
- (L5) Near Surface Examinations - Microhardness
- (L6) Near Surface Examinations - Diffusion Coatings
- (L7) Near Surface Examinations - IGA/IGO
- (L8) Near Surface Examinations - Alpha Case: Wrought
- (L9) Near Surface Examinations - Alpha Case: Castings
- (XL) Metallography (Macro)

AC7101/5 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Hardness (to be used before 28 August, 2011)

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

AC7101/6 Rev B - Nadcap Audit Criteria for Materials Testing Laboratories - Corrosion (to be used before 28 August, 2011)

- (Q) Corrosion (General)

