

SCOPE OF ACCREDITATION Materials Testing

Metaltest Inc
1205 5th Ave S
Kent, WA 98032-6023

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:

AC7006 Rev G - Audit Criteria Equivalent to ISO/IEC 17025

Mechanical Testing

- M- Bend Testing / ASTM E290
- M- Carbide Network / ASTM A262 Practice A
- M- Carbide Network – Decarburization / ASTM E1077
- M- Charpy Impact / ASTM E23
- M- Fastener Testing / SAE J429
- M- Guided Bend Test for Ductility of Welds / ASTM E190
- M- Hardness Testing – Brinell Hardness / ASTM E10
- M- Hardness Testing – Rockwell Hardness / ASTM E18
- M- IGA and End Grain Pitting / ASTM E3
- M- IGA and End Grain Pitting / BSS 7219
- M- Metallography – Measurement of Metal and Oxide Coating Thickness by

Microscopical Examination of a Cross Section / ASTM B487

- M- Metallography – Alpha Case / ASTM E3
- M- Metallography – Alpha Case / ASTM E407
- M- Metallography – Alpha Case / GE P3TF19
- M- Metallography – Alpha Case: Wrought / AMS T9046
- M- Metallography – Braze Evaluations / Various ASME, ANSI, AWS, and Mil

Stds

- M- Metallography – Decarburization / ASTM E3
- M- Metallography – Decarburization / ASTM E384
- M- Metallography – Effective Case Depth / ASTM E384
- M- Metallography – General / ASTM E112
- M- Metallography – General / ASTM E45
- M- Metallography – Grain Size / ASTM E112
- M- Metallography – IGA/IGO
- M- Metallography – Inclusion Rating / ASTM E45

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+ 86 10 6461 9807
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Europe
+44 870 350 5011

M– Metallography – Macroetching / ASTM E3
 M– Metallography – Macroetching / ASTM E340
 M– Metallography – Macroetching / ASTM E381
 M– Metallography – Microcleanliness / ASTM E45
 M– Metallography – Microetching / ASTM E407
 M– Metallography – Oxidation
 M– Microhardness / ASTM B578
 M– Microhardness Testing, Knoop / ASTM E384
 M– Microhardness Testing, Vickers / ASTM E384
 M– Room Temperature Tensile (Standard Test Methods of Tension Testing Wrought and Cast Aluminum– and Magnesium–Alloy Products) / ASTM B557
 M– Room Temperature Tensile / ASTM E8
 M– Standard Test Methods and Definitions for Mechanical Testing of Steel Products / ASTM A370

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

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

(A) Room Temperature Tensile
 (N) Impact
 (XN) Bend Testing

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
 (L11) Other
 (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
 (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)

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

(Z) Standard Specimen Machining

(Z4) Special Preparation

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

Metallurgical Evaluation of Fusion 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)

U11 – The Boeing Company

U13 – Bombardier

Lab Type - Lab Type

Independent