



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

Metcor Inc

*560 Boulevard Arthur-Sauve
St. Eustache, QC J7R 5A8
Canada*

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:

Heat Treating

Certificate Number: 4781180512
Expiration Date: 31 July 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Metcor Inc
560 Boulevard Arthur-Sauve
St. Eustache, QC J7R 5A8
Canada

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:

AC7101/3 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing (to be used on audits on/after 4 December 2016)

(A) Room Temperature Tensile – Check any applicable boxes

AC7101/4 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microindentation Hardness (to be used on audits on/after 14 August 2016)

(L0) Metallography Evaluation

Industry Spec – Other L0

(L10) Near Surface Examinations – Carburization/Decarburization

(L5) Near Surface Examinations – Microindentation (Surface Case Depth)

Industry Spec – Other L5

(L5X) Near Surface Examinations – Microindentation (Surface) (Chord Method ARP1820)

(L6) Near Surface Examinations – Nitriding

(L7) Near Surface Examinations – IGA, IGO

AC7102 Rev J - Nadcap Audit Criteria for Heat Treating Baseline (AC7102/S and AC7102/8 must also be selected) (to be used on audits on/after 3 December 2017)

Aluminum Alloys – AC7102/2 must also be selected

Beryllium Copper – Industry Specs – Check any applicable boxes

Industry Spec – Other

Carburizing – AC7102/3 must also be selected

Copper Alloys – Customer Specs

Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes

Industry Spec – Other

Nickel and Cobalt Alloys– Customer Specs
Nitriding – AC7102/4 must also be selected
Stainless Steels, Austenitic – Industry Specs – Check any applicable boxes
Stainless Steels, Austenitic– Customer Specs
Stainless Steels, Martensitic – Customer Specs
Stainless Steels, Martensitic – Industry Specs – Check any applicable boxes
 Industry Spec – Other
Stainless Steels, Precipitation Hardening – Customer Specs
Stainless Steels, Precipitation Hardening – Industry Specs – Check any applicable boxes
 Industry Spec – Other
Steels – Customer Specs
Steels – Industry Specs – Check any applicable boxes
 Industry Spec – Other
Stress Relieve – Customer Specs
Stress Relieve – Industry Specs – Check any applicable boxes
Titanium Alloys – Customer Specs
Titanium Alloys – Industry Specs – Check any applicable boxes
 AMS–H–81200
 Industry Spec – Other
Vacuum Heat Treating – Customer Specs
Vacuum Heat Treating – Industry Specs – Check any applicable boxes

AC7102S Rev G - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits on/after 16 April, 2017)

U11 The Boeing Company
U13 Bombardier, Inc.
U14 SAFRAN Group
U25 Liebherr–Aerospace
U3 Rolls–Royce PLC

AC7102/2 Rev C - Nadcap Audit Criteria for Aluminum Heat Treating (to be used on audits before 2 September, 2018)

Aluminum Alloys – Customer Specs
Aluminum Alloys – Industry Specs – Check any applicable boxes
 Industry Spec – Other

AC7102/3 Rev D - Nadcap Audit Criteria for Heat Treating - Carburizing (to be used on audits on/after 10 July 2016)

Carbonitriding – Customer Specs
Carbonitriding – Industry Specs – Check any applicable boxes
Carburizing – Customer Specs

Carburizing – Industry Specs – Check any applicable boxes

AC7102/4 Rev D - Nadcap Audit Criteria for Heat Treating - Gas, Ion/ Plasma and/or Salt Bath Nitriding (to be used on audits on/after 6 August 2017)

Ferritic Nitrocarburizing – Customer Specs

Ferritic Nitrocarburizing – Industry Specs – Check any applicable boxes

AC7102/5 Rev D - Nadcap Audit Criteria for Heat Treating - Hardness and/or Conductivity Testing (to be used on on/after 3 September 2017)

Conductivity – Check any applicable boxes

Industry Spec – Other

Conductivity – Customer Specs

Hardness – Portable – Check any applicable boxes

Hardness – Rockwell – Check any applicable boxes

Industry Spec – Other

AC7102/8 - Nadcap Audit Criteria for Heat Treating Pyrometry

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

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