



SCOPE OF ACCREDITATION

Heat Treating

Engineered Heat Treat Inc.
31271 Stephenson Highway
Madison Heights, MI 48071

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:

AC7101/4 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
- (L1) Microindentation (Interior)
 - Industry Spec – Other L1
- (L10) Near Surface Examinations – Carburization/Decarburization
- (L11) Grain Size
- (L2) Near Surface Examinations – Alloy Depletion
- (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 I - Nadcap Audit Criteria for Heat Treating (AC7102/S and AC7102/8 must also be selected) (to be used on audits on/after 4 December 2016)

- Beryllium Copper – Industry Specs – Check any applicable boxes
 - Industry Spec – Other Beryllium Copper
- Beryllium/Copper– Customer Specs
- Carburizing – AC7102/3 must also be selected
- Magnesium Alloys – Customer Specs
- Magnesium Alloys – Industry Specs – Check any applicable boxes
 - Industry Spec – Other Magnesium Alloys
- Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes

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

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

U11 The Boeing Company
U14 SAFRAN Group
U18 United Technologies Corp. – Hamilton Sundstrand
U3 Rolls–Royce PLC

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

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

AC7102/4 Rev C - Nadcap Audit Criteria Gas and/or Ion Nitriding

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Nitriding – Customer Specs
Nitriding – Industry Specs – Check any applicable boxes
Industry Spec – Other

AC7102/5 Rev C - Nadcap Audit Criteria for Hardness and/or Conductivity Testing for Heat Treating

Hardness – Portable – Check any applicable boxes
Hardness – Rockwell – Check any applicable boxes

AC7102/8 - Nadcap Audit Criteria for Pyrometry

Pyrometry – Customer Specs
Pyrometry – Industry Specs – Check any applicable boxes
AMS2750