



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

Braddock Metallurgical Inc

*14600 Duval PI W
Jacksonville, FL 32218-2475
United States*

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: 4776176713
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Braddock Metallurgical Inc
14600 Duval Pl W
Jacksonville, FL 32218-2475

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)

- (L1) Microindentation (Interior)
- (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

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

- Aluminum Alloys – AC7102/2 must also be selected
- Beryllium Copper – Industry Specs – Check any applicable boxes
 - Industry Spec – Other
- Beryllium/Copper – Customer Specs
- Carburizing – AC7102/3 must also be selected
- 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 – Customer Specs
- Stainless Steels – Industry Specs – Check any applicable boxes
 - Industry Spec – Other
- 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
Industry Spec – Other
Titanium Alloys – Customer Specs
Titanium Alloys – Industry Specs – Check any applicable boxes
Industry Spec – Other
Vacuum Heat Treating – Customer Specs
Vacuum Heat Treating – Industry Specs – Check any applicable boxes
Industry Spec – Other

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

U00 None

AC7102/2 Rev C - Nadcap Audit Criteria for Aluminum Heat Treating

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

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
Industry Spec – Other
Nitriding – Customer Specs

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

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
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
AMS2750