



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

Phoenix Heat Treating Inc

**2405 W Mohave St
Phoenix, AZ 85009
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: 3698179547
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Phoenix Heat Treating Inc
2405 W Mohave St
Phoenix, AZ 85009

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)
- (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 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
- Plating (Temporary Plating & Braze Preparation Only) – Customer Specs Plating (Temporary Plating & Braze Preparation Only) – Industry Specs – Check any applicable boxes
 - Industry Spec – Other
- 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)

U10 GE Aviation
U11 The Boeing Company
U14 SAFRAN Group
U18 United Technologies Corp. – Hamilton Sundstrand
U3 Rolls–Royce PLC

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 Carburizing (to be used on audits on/after 10 July 2016)

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

AC7102/4 Rev D - Nadcap Audit Criteria Gas and/or Ion Nitriding (to be used on audits on/after 6 August 2017)

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

Industry Spec – Other

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

Conductivity – Check any applicable boxes

Industry Spec – Other

Conductivity – Customer Specs

Hardness – Brinell – Check any applicable boxes

Industry Spec – Other

Hardness – Portable – Check any applicable boxes

Hardness – Rockwell – Check any applicable boxes

Industry Spec – Other

AC7102/8 - Nadcap Audit Criteria for Pyrometry

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

AMS2750



SCOPE OF COMPLIANCE

Aerospace Quality Systems

Phoenix Heat Treating Inc

2405 W Mohave St

Phoenix, AZ 85009

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In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

AC7004 Rev E - Nadcap Audit Criteria for Quality Management System



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

Phoenix Heat Treating Inc

*2405 W Mohave St
Phoenix, AZ 85009
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:

Aerospace Quality System (AC7004)

Certificate Number: 3698160650
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer