



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

Wallwork Heat Treatment Ltd

*Lord Street
Bury Lancs, BL9 0RE
United Kingdom*

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: 7261171006
Expiration Date: 31 October 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Heat Treating

Wallwork Heat Treatment Ltd

Lord Street
Bury Lancs, BL9 0RE
United Kingdom

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)
- (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
- Carburizing – AC7102/3 must also be selected
- Magnesium Alloys – Customer Specs
- Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes
- 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
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

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

U13 Bombardier, Inc.
U14 SAFRAN Group
U3 Rolls–Royce PLC

AC7102/1 Rev F - Nadcap Audit Criteria for Brazing (to be used on audits on/after 10 July 2016)

Vacuum Brazing – Customer Specs
Vacuum Brazing – Industry Specs – Check any applicable boxes

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

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

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

Carburizing – Customer Specs

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

Nitriding – Customer Specs

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

Conductivity – Check any applicable boxes
Conductivity – Customer Specs
Hardness – Brinell – Check any applicable boxes
 Industry Spec – Other
Hardness – Rockwell – Check any applicable boxes
 Industry Spec – Other
Hardness – Vickers – Check any applicable boxes

Industry Spec – Other

AC7102/8 - Nadcap Audit Criteria for Pyrometry

Pyrometry – Customer Specs

Pyrometry – Industry Specs – Check any applicable boxes

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