



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

Har-Conn Chrome Co

603 New Park Ave
West Hartford, CT 06110
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:

Chemical Processing

Certificate Number: 3159172679
Expiration Date: 31 January 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Chemical Processing

Har-Conn Chrome Co
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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:

AC7108 Rev H - Nadcap Audit Criteria for Chemical Processing (to be used on audits on/after 5 June 2016)

AC7108/01 – Painting & Dry Film Coatings and Sol Gel as a Preparation for Paint – AC7108/1 must also be selected

AC7108/04 – Solution Analysis and Testing – AC7108/4 must also be selected

AC7108/05 – Chem Milling and Alpha Case Removal – AC7108/5 must also be selected

AC7108/08 – Anodizing (Not for Metal Bond) – AC7108/8 must also be selected

AC7108/09 – Electroplating and Electroforming – AC7108/9 must also be selected

AC7108/10 – Electroless Plating – AC7108/10 must also be selected

AC7108/11 – Conversion Coating – AC7108/11 must also be selected

AC7108/12 – Acid Cleaning, Descaling, Passivation and Electropolishing – AC7108/12 must also be selected

AC7108/14 – Stripping of Coatings – AC7108/14 must also be selected

General Cleaning and Pre-Cleaning

Alkaline Cleaning (If Titanium Alkaline Cleaning is also carried out then please check Chemical Cleaning – Titanium Cleaning – Alkaline” also)

Solvent Cleaning

Titanium Cleaning – Alkaline

Other Titanium Cleaning Alkaline

Ovens Used for Thermal Treatments at a Set Point above 250°F

Ovens for Thermal Treatments with a set point at or below 250°F (121°C) or for Miscellaneous Heating Processes, e.g. Part Drying.

Stripping of Coatings

Inorganic Coatings

Other Stripping

AC7108/1 Rev C - Nadcap Audit Criteria for Painting & Dry Film Coatings (to be used on audits on/after 5 June 2016)

Dry Film Lubricant Coatings
Other
Painting
Other

AC7108/4 Rev B - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108 (To Be Used On Audits Conducted On Or After June 5, 2016)

Solution Analysis In Support of AC7108
Testing Performed Internally In Support of the Chemical Process Accreditation
B03 – Metallographic Preparation In Support of AC7108
B04 – Microhardness Testing In Support of AC7108
B05 – Salt Spray Testing In Support of AC7108
B06 – Water Immersion / Humidity Testing In Support of AC7108
B07 – Heat Resistance Testing In Support of AC7108
B09 – Taber Wear Testing In Support of AC7108
B10 – Adhesion Testing (Adhesion Tape Testing) In Support of AC7108
B11 – Adhesion Testing (Scratch and Chisel Test) In Support of AC7108
B12 – Adhesion Testing (Bend Test) In Support of AC7108
B13 – Coating Weight Testing In Support of AC7108
B14 – Conductivity Testing In Support of AC7108
B15 – Resistivity Testing In Support of AC7108
B16 – Coating Thickness Measurement In Support of AC7108
B18 – Adhesion Testing (Heat & Quench) In Support of AC7108
B20 – Porosity Testing In Support of AC7108
B22 – Solvent Resistance Testing In Support of AC7108

AC7108/5 Rev B - Nadcap Audit Criteria for Alpha Case Removal and Chemical Milling (to be used on audits on/after 5 June 2016)

Alpha Case Removal

AC7108/8 - Nadcap Audit Criteria for Anodizing (Not For Metal Bond) (to be used on audits on/after 5 June 2016)

Anodize Aluminum, Chromic Acid
Other Anodize Aluminum
Anodize Aluminum, Hard Anodize
Other Anodize Aluminum
Anodize Aluminum, Sulfuric Acid
Other Anodize Aluminum

Anodize Titanium
Dye
Seal

AC7108/9 - Nadcap Audit Criteria for Electroplating and Electroforming (to be used on audits on/after 5 June 2016)

Electroplating
Alloy Plating
 Other Alloy Plating
Cadmium Plating
 Other Cadmium Plating
Chromium Plating
 Other Chromium Plating
Nickel Plating
 Other Nickel Plating
Silver Plating
 Other Silver Plating

AC7108/10 - Nadcap Audit Criteria for Electroless Plating (to be used on audits on/after 5 June 2016)

Nickel
 Other Nickel

AC7108/11 - Nadcap Audit Criteria for Conversion Coating (to be used on audits on/after 5 June 2016)

Aluminum
 Other Aluminum
Aluminum, Non-Hexavalent Chrome Alternatives
Steel

AC7108/12 - Nadcap Audit Criteria for Acid Cleaning, Descaling, Passivation and Electropolishing (to be used on audits on/after 5 June 2016)

Acid Cleaning (If Titanium Acid Cleaning is also carried out then please check “Chemical Cleaning – Titanium Cleaning – Acid” also)
Passivation
 Other Passivation
Titanium Cleaning – Acid (This process also requires “Chemical Cleaning – Titanium Cleaning – Alkaline” to also be checked unless customer specifications permit otherwise)
 Other Titanium Cleaning Acid

AC7108/14 - Nadcap Audit Criteria for Stripping of Coatings as a Sub-Contract Process (to be

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used on audits on/after 5 June 2016)