



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

Southwest United Industries Inc

*422 S Saint Louis Ave
Tulsa, OK 74120
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: 4185176523
Expiration Date: 31 July 2018

*Joseph G. Pinto
Executive Vice President and Chief Operating Officer*



SCOPE OF ACCREDITATION

Chemical Processing

Southwest United Industries Inc
422 S Saint Louis Ave
Tulsa, OK 74120

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)

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

Organic Coatings

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

Sol Gel

AC7108/2 Rev F - Nadcap Audit Criteria for Etch Inspection Processes (Anodic Etch, Blue Etch, Anodize, Local, Macrostructure, Nital/Temper)

Nital/Temper Etch

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

- B02 – Hydrogen Embrittlement Testing In Support of AC7108
- 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
- B16 – Coating Thickness Measurement In Support of AC7108
- B20 – Porosity Testing In Support of AC7108
- B21 – Paint Color and Gloss Testing In Support of AC7108
- B23 – Other Testing In Support of AC7108

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

Anodizing Aluminum, Type 1 Non–Hexavalent Chrome (e.g. Boric/Sulfuric)

Other Anodizing Aluminum

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

Copper Plating
 Other – Copper Plating
Nickel Plating
 Other Nickel 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
Magnesium
 Other Magnesium
Steel
 Other Steel
Titanium
 Other Titanium

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

Passivation
 Other Passivation

AC7108/13 - Nadcap Audit Criteria for Brush Anodizing and Plating (to be used on audits on/after 5 June 2016)

Brush Plating
 Other Brush Plating

AC7108/15 - Nadcap Audit Criteria for Pre-Penetrant Etch

Immersion Pre penetrant Etch