

SCOPE OF ACCREDITATION

Chemical Processing

Element Materials Technology Hartford Inc.
80 Kimberly Dr
South Windsor, CT 06074

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:

AC7000 Rev A - AUDIT CRITERIA FOR NADCAP ACCREDITATION

AC7108 Rev J - Nadcap Audit Criteria for Chemical Processing (to be used on audits on/AFTER 12-Jun-2022)

AC7108/02 – Etch Inspection Processes and Pre–Penetrant Etch – AC7108/2 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

AC7108/12 – Standalone Cleaning, Descaling, Passivation and Electropolishing – AC7108/12 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

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.

AC7108/2 Rev H - Nadcap Audit Criteria for Etch Inspection Processes (Anodic Etch, Blue Etch, Anodize, Local, Macrostructure, Nital/Temper) and Pre-Penetrant Etch (to be used on audits on/AFTER 12-Jun-2022)

Etch Inspection Processes

Anodic Etch

Blue Etch Anodize

Etching and Etch Inspection

Macrostructure Etch

Immersion – Macro

Local (Swab) Etch – Macro

Nital/Temper Etch

Immersion – Nital
Pre-Penetrant Etch
Immersion – Pre-Penetrant
Local (Swab) Etch – Pre-Penetrant

AC7108/4 Rev C - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108 (To be used on audits BEFORE 01-Mar-2026)

Solution Analysis In Support of AC7108
Testing Performed Internally In Support of the Chemical Process Accreditation
B06 – Water Immersion / Humidity Testing In Support of AC7108
B14 – Conductivity Testing In Support of AC7108
B23 – Other 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

AC7108/12 Rev A - Nadcap Audit Criteria for Standalone Cleaning, Descaling, Passivation and Electropolishing (to be used on audits on/after 12 July 2020)

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