



## **NADCAP: tutti i processi attualmente certificati in UmbraGroup**

### **Chemical Processes:**

**AC7108/2 Rev B - Nadcap Audit Criteria for Etch Processes (Blue Etch Anodize, Local, Macrostructure, Nital, Pre-Penetrant, Temper)**  
Nital Etch

### **AC7108 Rev D - Nadcap Audit Criteria for Chemical Processing**

Chromium Plating - Other  
Stripping - Other  
Chemical Cleaning - Alkaline Cleaning  
Chemical Cleaning - Titanium Cleaning - Alkaline  
Chemical Cleaning - Titanium Cleaning  
Chemical Cleaning - Ultrasonic  
Conversion/Phosphate Coatings - MIL-C-13924  
Chromium Plating - QQ-C-320  
Chromium Plating - AMS 2406  
Cadmium Plating - Other  
Cadmium Plating - QQ-P-416  
Copper Plating - Other  
Silver Plating - Other  
Anodizing - MIL-A-8625  
Anodizing - AMS-A-8625  
Anodizing - Other  
Surface Treatment/Passivation- AMS-2700  
Surface Treatment/Passivation- AMS-QQ-P-35  
Surface Treatment/Passivation - QQ-P-35  
Surface Treatment/Passivation - Other  
Conversion/Phosphate Coatings - Other

### **Testing and Solution Analysis:**

B13 Coating Weight Testing  
B3 Metallography Testing  
B2 Hydrogen Embrittlement Testing  
B12 Adhesion Bend Testing (Metallic Coatings)  
B16 Thickness Verification of Magnetic, Eddy Current and XRF Machines  
Solution Analysis  
B4 Microhardness Testing  
B9 Taber Wear Testing  
B5 Corrosion/Salt Spray Testing  
B20 Porosity  
B10 Adhesion Tape Testing  
B6 Water Immersion/High Humidity Testing  
B21 Other Test Method  
B18 Adhesion Testing Heat and Quench

### Heat Treatment:

#### **AC7101/3 Rev B - Nadcap Audit Criteria for Materials Test Laboratories - Mechanical Testing**

(A) Room Temperature Tensile

#### **AC7102/4 Rev A - Nadcap Audit Criteria for Gas and/or Ion Nitriding**

Nitriding- Customer Specs

Nitriding - Industry Specs (to be used on or AFTER 31-Jan-2010)

#### **AC7101/4 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories - Metallography and Microhardness**

(L)Metallography (General)

(L7)Near Surface Examinations - IGA/IGO

(L6)Near Surface Examinations - Diffusion Coatings

(L5)Near Surface Examinations - Microhardness

#### **AC7102/3 Rev A - Nadcap Audit Criteria for Carburizing**

Vacuum Carburizing – Customer Specs (to be used on or AFTER 31-Jan-2010)

Carburizing- Customer Specs

Carburizing -- Industry Specs (to be used on or AFTER 31-Jan-2010)

#### **AC7102 Rev E - Nadcap Audit Criteria for Heat Treating**

Stainless Steels – Industry Specs

Carburizing – AC7102/3 must also be selected

Steels – Customer Specs

Stainless Steels, Precipitation Hardening – Industry Specs

Stainless Steels, Precipitation Hardening – Customer Specs

Nitriding – AC7102/4 must also be selected

Stainless Steels, Martensitic – Industry Specs

Beryllium/Copper – Industry Specs

Steels – Industry Specs

Stainless Steels – Customer Specs

Vacuum Heat Treating – Customer Specs

#### **AC7102/5 - Nadcap Audit Criteria for Hardness Testing for Heat Treating**

(M1)Brinell Hardness

(M3)Vickers Hardness

(M2)Rockwell Hardness

### Non Destructive Test:

#### **AC7114 Rev D - Nadcap NonDestructive Testing (NDT) Suppliers Accreditation Program Audit Criteria**

AC7114/2 Rev D - Nadcap Audit Criteria for NonDestructive Testing Magnetic Particle Survey

AC7114/1 Rev D - Nadcap Audit Criteria for NonDestructive Testing Facility Penetrant Survey