



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

***Heligear Acquisition Co. d/b/a Northstar Aerospace
(Chicago) Inc.***

*6006 W 73rd St
Bedford Park, IL 60638-6106
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: 4299183669
Expiration Date: 31 July 2019

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Chemical Processing

Heligear Acquisition Co. d/b/a Northstar Aerospace (Chicago) Inc.
6006 W 73rd St
Bedford Park, IL 60638-6106

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 I - Nadcap Audit Criteria for Chemical Processing (to be used on audits on/after 21 January 2018)

AC7108/02 – Etch Inspection – AC7108/2 must also be selected
AC7108/04 – Solution Analysis and Testing – AC7108/4 must also be selected
AC7108/09 – Electroplating and Electroforming – AC7108/9 must also be selected
AC7108/11 – Conversion Coating – AC7108/11 must also be selected
AC7108/13 – Brush Anodizing and Plating – AC7108/13 must also be selected
Ovens Used for Thermal Treatments at a Set Point above 250°F
Stripping of Coatings as an Internal Rework Process
 Inorganic Coatings
 Other Stripping

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

Nital/Temper Etch
 Immersion
 Other

AC7108/4 Rev C - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108 (To Be Used On Audits Conducted On audits on/after 21 January 2018)

Solution Analysis In Support of AC7108
Testing Performed Internally In Support of the Chemical Process Accreditation
 B10 – Adhesion Testing (Adhesion Tape Testing) In Support of AC7108

- B12 – Adhesion Testing (Bend Test) 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
- B23 – Other Testing In Support of AC7108

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

Electroplating

- Cadmium Plating
 - Other Cadmium Plating
- Copper Plating
 - Other – Copper Plating
- Tin Plating
 - Other Tin Plating

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

Aluminum

- Other Aluminum

Steel

- Other Steel

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