

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

## Nor-ell Inc.

851 Hubbard Avenue St. Paul, MN 55104 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: 7029187507 Expiration Date: 31 January 2022 Accreditation Length: 24 Months

Merit

Muchan 100

Merix

Merit

Michael J. Hayward Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



### SCOPE OF ACCREDITATION

### **Chemical Processing**

Nor-ell Inc. 851 Hubbard Avenue St. Paul, MN 55104

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)

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

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

AC7108/11 - Conversion Coating - AC7108/11 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)

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

### AC7108/4 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

B14 – Conductivity Testing In Support of AC7108

B16 – Coating Thickness Measurement 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, Sulfuric Acid

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

Nor-ell Inc. St. Paul, MN

### June 2016)

Aluminum Aluminum, Non–Hexavalent Chrome Alternatives



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

## Nor-ell Inc

8251 Ashton Avenue NE Fridley, MN 55432 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: 10539187506 Expiration Date: 31 January 2022 Accreditation Length: 24 Months

Merit

Muchan 100

Merix

Merit

Michael J. Hayward Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



### SCOPE OF ACCREDITATION

### **Chemical Processing**

Nor-ell Inc 8251 Ashton Avenue NE Fridley, MN 55432

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)

AC7108/01– 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

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

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

Painting

### 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)

Testing Performed Internally In Support of the Chemical Process Accreditation

- B06 Water Immersion / Humidity Testing In Support of AC7108
- B10 Adhesion Testing (Adhesion Tape Testing) In Support of AC7108
- B16 Coating Thickness Measurement In Support of AC7108
- B21 Paint Color and Gloss Testing In Support of AC7108
- B22 Solvent Resistance Testing In Support of AC7108