

Merit

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

## **Arrowhead Products**

*4411 Katella Ave  
Los Alamitos, CA 90720  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## **Welding**

Certificate Number: 3852199041  
Expiration Date: 31 August 2023  
Accreditation Length: 24 Months



**David L. Schutt, PhD**  
President

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## SCOPE OF ACCREDITATION

### Welding

**Arrowhead Products**  
4411 Katella Ave  
Los Alamitos, CA 90720

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://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 - AUDIT CRITERIA FOR NADCAP ACCREDITATION**

#### **AC7110 Rev G - Nadcap Audit Criteria for Welding/ Torch and Induction Brazing and Additive Manufacturing (This is required for all Welding / Torch and Induction Brazing and Additive Manufacturing audits) (to be used on audits on/after 25-Apr-2021)**

#### **AC7110S - Nadcap Supplemental Audit Criteria for Welding, Torch and Induction Brazing, and Additive Manufacturing (to be used on audits on/after 25-Apr-2021)**

U00 None

#### **AC7110/4 Rev I - Nadcap Audit Criteria for Resistance Welding (Spot, Seam, Projection) (to be used on audits on/after 1 March 2020)**

Baseline (All audits)

Seam Welding – sheet (identify if this process is used)

Spot Welding – sheet (identify if this process is used)

Supplement B – Shear Testing (Additional requirements)

Supplement F – Metallographic Evaluation of Resistance Welds (Qualification and / or Process Control) (Additional requirements)

#### **AC7110/4S Rev G - Nadcap Supplemental Audit Criteria for Resistance Welding (to be used on audits on/after 1 March 2020)**

U11 The Boeing Company

U3 Rolls Royce

#### **AC7110/5 Rev I - Nadcap Audit Criteria for Fusion Welding (to be used on audits on/after 6 Jan 2019)**

Baseline (All audits)

Supplement C – Automatic / Semi-automatic (Additional requirements)

Supplement D – Titanium (Additional requirements)

- Supplement F – Filler Materials (Additional requirements)
- Supplement G – Processes using Gas (For example GTAW, PAW) (Additional requirements)
- Supplement J – Tack Welding (Additional requirements)
- Supplement K – Metallographic Evaluation of Qualification Welds (Additional requirements)
- Supplement L – Bend Test Evaluation of Qualification Welds (Additional requirements)

**AC7110/5S Rev F - Nadcap Supplemental Audit Criteria for Fusion Welding (to be used on audits before 01-Aug-2021)**

U11 The Boeing Company  
U3 Rolls Royce

**AC7110/12 Rev F - Nadcap Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6)**

Baseline (All audits)  
Supplement A – Metallographic Evaluation of Qualification Welds (Additional requirements)

**AC7110/12S Rev H - Nadcap Supplemental Audit Criteria for Welder/Welding Operator Qualification (This checklist is required if the audit includes AC7110/3, /5 or /6) (to be used on audits on/after 4 September, 2016)**

U11 The Boeing Company  
U3 Rolls Royce