

Merit

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

## **Solar Atmospheres of Western PA**

**30 Industrial Road  
Hermitage, PA 16148  
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 Manufacturer's List (QML), to the revision in effect at the time of the audit for:*

## **Heat Treating**

Certificate Number: 4155224852  
Expiration Date: 28 February 2027  
Accreditation Length: 24 Months

**David L. Schutt, FID**  
President

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## SCOPE OF ACCREDITATION

### Heat Treating

**Solar Atmospheres of Western PA**  
30 Industrial Road  
Hermitage, PA 16148

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 Rev A - AUDIT CRITERIA FOR NADCAP ACCREDITATION**

**AC7101/3 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing (to be used on audits on/after 4 December 2016) \*\*\*If the Auditee holds any MTL accreditation, then this checklist must be done as part of an MTL audit.**

(A) Room Temperature Tensile – Check any applicable boxes

**AC7101/4 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories-Metallography & Microindentation Hardness (to be used on audits on/after 14 August 2016)\*\*\* If the Auditee holds any MTL accreditation, then this checklist must be done as part of an MTL audit**

(L0) Metallography Evaluation

Industry Spec – Other L0

(L1) Microindentation (Interior)

Industry Spec – Other L1

(L10) Near Surface Examinations – Carburization/Decarburization

(L11) Grain Size

(L2) Near Surface Examinations – Alloy Depletion

(L5) Near Surface Examinations – Microindentation (Surface Case Depth)

Industry Spec – Other L5

(L5X) Near Surface Examinations – Microindentation (Surface) (Chord Method ARP1820)

(L7) Near Surface Examinations – IGA, IGO

(L8) Near Surface Examinations – Alpha Case: Wrought Titanium

**AC7102 Rev K - Nadcap Audit Criteria for Heat Treating Baseline (AC7102/S and AC7102/8 must also be selected) (to be used on audits on or after 15-Aug-2021)**

Beryllium Copper – Industry Specs – Check any applicable boxes

AMS2728

Industry Spec – Other – Beryllium/Copper

Beryllium/Copper– Customer Specs

Brazing – AC7102/1 must also be selected  
Nickel and Cobalt Alloys – Industry Specs – Check any applicable boxes  
Nickel and Cobalt Alloys– Customer Specs  
Stainless Steels, Austenitic – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Stainless Steels, Austenitic  
Stainless Steels, Martensitic – Customer Specs  
Stainless Steels, Martensitic – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Stainless Steels, Martensitic  
Stainless Steels, Precipitation Hardening – Customer Specs  
Stainless Steels, Precipitation Hardening – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Stainless Steels, Precipitation Hardening  
Steels – Customer Specs  
Steels – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Steels  
Stress Relieve – Customer Specs  
Stress Relieve – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Stress Relieve  
Titanium Alloys – Customer Specs  
Titanium Alloys – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Titanium Alloys  
Vacuum Heat Treating – Customer Specs  
Vacuum Heat Treating – Industry Specs – Check any applicable boxes  
    Industry Spec – Other – Vacuum Heat Treating

**AC7102S Rev K - Nadcap Supplemental Audit Criteria for Heat Treating (to be used on audits on/AFTER 12-Nov-2023)**

U1 Honeywell Aerospace  
U10 GE Aviation  
U11 The Boeing Company  
U14 SAFRAN Group  
U3 Rolls–Royce

**AC7102/1 Rev F - Nadcap Audit Criteria for Heat Treating - Brazing (to be used on audits on/after 10 July 2016)**

Vacuum Brazing – Customer Specs  
Vacuum Brazing – Industry Specs – Check any applicable boxes  
    Industry Spec – Other

**AC7102/5 Rev F - Nadcap Audit Criteria for Heat Treating - Hardness and/or Conductivity Testing (to be used on audits on/AFTER 30-Apr-2023)**

Hardness – Portable – Check any applicable boxes

Hardness – Rockwell – Check any applicable boxes

**AC7102/8 Rev B - Nadcap Audit Criteria for Heat Treating Pyrometry (to be used on audits on/AFTER 27-Aug-2023)**

Pyrometry – Customer Specs