



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

## ***Sturbridge Metallurgical Services Inc***

*8 Picker Rd  
Sturbridge, MA 01566  
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:*

## ***Materials Testing Laboratories***

Certificate Number: 7362214393  
Expiration Date: 31 May 2025  
Accreditation Length: 24 Months

**Jay Solomond**  
Executive Vice President & Chief Operating Officer

## SCOPE OF ACCREDITATION

### Materials Testing Laboratories

**Sturbridge Metallurgical Services Inc**  
8 Picker Rd  
Sturbridge, MA 01566

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

#### AC7101/1 Rev G - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories (to be used on audits on/after 5 May 2019)

#### AC7101/2 Rev E - Nadcap Audit Criteria for Materials Testing Laboratories – Chemical Analysis (to be used on audits on/after 30 August 2020)

- (F) Atomic or Optical Emission Spectroscopy (AES or OES)
  - (F3) Atomic Emission Spectroscopy – Spark/Arc (S/A–OES)
- (G) Elemental Analysis (Combustion or Fusion)
  - (G1) Carbon
  - (G2) Hydrogen
  - (G3) Nitrogen
  - (G4) Oxygen
  - (G5) Sulfur

Specify the Alloy Base for Accreditation

- Fe Base
- Ti Base

#### AC7101/3 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing (to be used on audits on/after 4 December 2016)

- (A) Room Temperature Tensile
- (XN) Bend Testing

#### AC7101/4 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories – Metallography and Microindentation Hardness (to be used on/after 14 August, 2016)

- (L0) Metallographic Evaluation
- (L1) Microindentation (Interior)
- (L10) Near Surface Examinations – Carburization / Decarburization

- (L11) Grain Size
- (L12) Inclusion Rating
- (L13) Replication
- (L2) Near Surface Examinations – Alloy Depletion
- (L5) Near Surface Examinations – Microindentation (Surface–Case Depth)
- (L5X) Near Surface Examinations – Microindentation (Surface) (Chord Method ARP1820)
- (L7) Near Surface Examinations – IGA, IGO
- (L8) Near Surface Examinations – Alpha Case: Wrought Titanium
- (XL) Macro Examination

**AC7101/5 Rev E - Nadcap Audit Criteria for Materials Testing Laboratories – Hardness Testing (Macro) (to be used on audits on/AFTER 07-May-2023)**

- (M2) Rockwell Hardness

**AC7101/6 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Corrosion (to be used on/after 1 July 2018)**

- (Q) Salt Spray

**AC7101/7 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing Specimen Preparation (to be used on audits on/after 15 May 2016)**

- (Z) Standard Specimen Machining

**AC7101/11 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories – Fastener Testing (to be used on audits on/after 25 October 2015)**

- (40L10) Metallography – Decarburization / Carburization
- (40L2) Metallography – Alloy Depletion
- (40L25) Metallography – Grain Size
- (40L7) Metallography – IGA / IGO
- (40L8) Metallography –Alpha Case: Wrought Titanium
- (6–L5) Hardness – Microindentation Hardness
- (6–M2) Hardness – Rockwell
- (Q) Corrosion – Salt Spray

**AC7109/5 Rev H - Nadcap Audit Criteria for Coating Evaluations (Laboratory) (Req'd for all Coatings audits - except suppliers using Nadcap approved AC7109/5 labs) (to be used on audits on/AFTER 13-Feb-2022)**

- Bond Strength – Tensile
- Metallography/Microstructure
- Microindentation Hardness – Knoop
- Microindentation Hardness – Vickers
- Thickness – Metallographic

**AC7110/13 Rev B - Nadcap Audit Criteria for Evaluation of Welds to be used ON OR AFTER 5 MAY 2013**

NOTE: IF YOU ARE SELECTING THE AC7110/13 CHECKLIST YOU MUST ALSO SELECT AC7101/4 – Nadcap Audit Criteria for Materials Testing Laboratories – Metallography and Microhardness. You must also select AC7110/13S

Supplement A – Metallurgical Evaluation of Welder / Welding Operator Qualifications (identify if this process is used)

Supplement B – Metallurgical Evaluation of Fusion Welds (identify if this process is used)

Supplement C – Metallurgical Evaluation of Electron Beam / Laser Welds (identify if this process is used)

Supplement D – Metallurgical Evaluation of Resistance Welds (identify if this process is used)

**AC7110/13S Rev D - Nadcap Supplemental Audit Criteria for Evaluation of Welds to be used on audits ON OR AFTER 11 January 2015)**

U10 GE Aviation

U2 Pratt & Whitney

**ISO/IEC - Currently accredited by an ILAC approved source**

**Lab Type - Lab Type**

Independent