



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

## ***Product Evaluation Systems Inc.***

*637 Donohoe Road  
Latrobe, PA 15650-9414  
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:*

## ***Materials Testing Laboratories***

Certificate Number: 4598201744  
Expiration Date: 31 August 2023  
Accreditation Length: 18 Months

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

## SCOPE OF ACCREDITATION

### Materials Testing Laboratories

**Product Evaluation Systems Inc.**  
637 Donohoe Road  
Latrobe, PA 15650-9414

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)

(F2) Atomic Emission Spectroscopy – Inductively Coupled Plasma (ICP–OES/AES)

(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

Al Base

Cu Base

Fe Base

Ni 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

(B) Elevated Temperature Tensile

(C) Stress Rupture

(N) Impact

- (O) High Cycle Fatigue
- (P) Fracture Toughness
- (XA) Creep
- (XN) Bend Testing
- (Y) Low Cycle Fatigue

**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
- (L2) Near Surface Examinations – Alloy Depletion
- (L3) Near Surface Examinations – Oxidation/Corrosion
- (L5) Near Surface Examinations – Microindentation (Surface–Case Depth)
- (L7) Near Surface Examinations – IGA, IGO
- (L8) Near Surface Examinations – Alpha Case: Wrought Titanium
- (XL) Macro Examination

**AC7101/5 Rev D - Nadcap Audit Criteria for Materials Testing Laboratories – Hardness Testing (Macro) (to be used on audits on/after 22 March 2015)**

- (M1) Brinell Hardness
- (M2) Rockwell Hardness
- (M3) Vickers Hardness

**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
- (Z1) Low Stress Grinding
- (Z2) Low Stress Grinding and Polishing
- (Z3) Cast Specimens

**AC7101/9 Rev C - Nadcap Audit Criteria for Materials Testing Laboratories – Specimen Heat Treating (to be used on/after 15 January 2017)**

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

**Lab Type - Lab Type**

Independent