

Merit

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

## ***Element Materials Technology Houston LLC***

*14805 Yorktown Plaza Drive  
Houston, TX 77040  
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: 11204192367  
Expiration Date: 31 July 2021  
Accreditation Length: 18 Months



**Michael J. Hayward**  
Executive Vice President & Chief Operating Officer

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

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## SCOPE OF ACCREDITATION

### Materials Testing Laboratories

**Element Materials Technology Houston LLC**  
14805 Yorktown Plaza Drive  
Houston, TX 77040

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:

#### **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 D - Nadcap Audit Criteria for Materials Testing Laboratories – Chemical Analysis (to be used on audits on/after 22 March 2015)**

(G) Elemental Analysis (Combustion or Fusion)

(G2) – Hydrogen

Specify the Alloy Base for Accreditation

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

(CT) Compression Testing

(N) Impact

(P) Fracture Toughness

(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

(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

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

**Lab Type - Lab Type**

Independent