



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

voestalpine BOHLER Edelstahl GmbH & Co KG

*Mariazellerstrasse 25
Kapfenberg, 8605
Austria*

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

Materials Testing

Certificate Number: 4103169207
Expiration Date: 31 July 2018

Joseph G. Pinto
Executive Vice President and Chief Operating Officer



SCOPE OF ACCREDITATION

Materials Testing

voestalpine BOHLER Edelstahl GmbH & Co KG
Mariazellerstrasse 25
Kapfenberg, 8605
Austria

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: 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 F - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories (to be used on/after 14 Sept 2014)

AC7101/2 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Chemical Analysis (to be used on audits on/after 22 March 2015)

(D) Wet Chemistry (Gravimetric)

(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

(S) X–Ray Fluorescence (XRF)

(V) Mass Spectrometry

(W) Atomic Absorption

(W1) Flame (AA)

Specify the Alloy Base for Accreditation

Fe Base

Ni Base

Ti Base

**AC7101/3 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing
(to be used on/after 28 August, 2011)**

- (A) Room Temperature Tensile
- (B) Elevated Temperature Tensile
- (C) Stress Rupture
- (N) Impact

**AC7101/4 Rev E - Nadcap Audit Criteria for Materials Test Laboratories – Metallography and
Microindentation Hardness (to be used on/after 30 November 2014)**

- (L1) Microindentation (Interior)
- (L10) Near Surface Examinations – Carburization / Decarburization
- (L5) Near Surface Examinations – Microindentation (Surface – Case Depth)
- (L8) Near Surface Examinations – Alpha Case: Wrought Titanium
- (XL) Macro Examination

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

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

**AC7101/6 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Corrosion (to be
used on/after 28 August, 2011)**

- (Q1) Stress Corrosion

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

- (Z) Standard Specimen Machining

**AC7101/9 Rev B - Nadcap Audit Criteria for Materials Test Laboratories – Specimen Heat
Treating (to be used on/after 28 August, 2011 and before 15 January 2017)**

ISO/IEC - Currently accredited by an ILAC approved source

Lab Type - Lab Type

Captive