

World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

WEST PENN TESTING GROUP

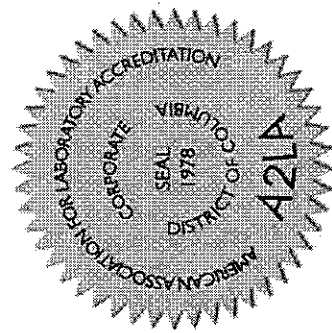
New Kensington, PA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF *Communiqué* dated 8 January 2009).

Presented this 31st day of August 2010.





President & CEO

For the Accreditation Council
Certificate Number 3064.01
Valid to October 31, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.



"World Class Accreditation"

The American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

WEST PENN TESTING GROUP¹
155 Prominence Dr
New Kensington, PA 15068
Jeanine Saunders Phone: 724 334 1900

MECHANICAL

Valid To: October 31, 2012

Certificate Number: 3064.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on wrought and cast ferrous alloys, non-ferrous metals and alloys, specialty metals, glass, ceramics, minerals, refractory materials, plastics and composites:

| <u>Tests</u> | <u>Test Method(s)</u> |
|---|-------------------------|
| Hardness – Rockwell (B, C, 15T, 30T) | ASTM E18 |
| Microhardness – Vickers | ASTM E384 |
| Tensile | ASTM E8, A370 |
| Metallographic Evaluation | |
| Sample Preparation | ASTM E3 |
| Alpha Case | ASTM E3, E407 |
| Grain Size | ASTM E112, E883 |
| Macroetching | ASTM E340 |
| Microetching | ASTM E407 |
| Salt Spray Corrosion | ASTM B117 |
| TGA | ASTM E1868 |
| Sieve | ASTM B214 |
| <u>Chemical</u> | |
| Inductively Coupled Plasma (ICP) (Ag, As, Au, B, Ba, Be, Bi, Br, Ca, Cd, Ce, Cr, Co, Cs, Cu, Fe, Ga, Gd, Hf, In, K, La, Li, Mn, Mo, Nb, Ni, Pb, Pd, Rh, Sb, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, V, W, Y, Zn, Zr) | SCL-ICP, SCL-ICP-Arcos. |
| Direct Current Plasma (DCP) (K, Li, Na, Zn) | SCL-DCP |
| GFAA (As, Bi, Cd, Pb, Te, Tl, Se) | SCL-GFAA |

| <u>Tests</u> | <u>Test Method(s)</u> |
|---|--|
| <u>Chemical (cont'd)</u> | |
| Chemical Analysis | |
| Oxygen / Nitrogen / Sulfur / Carbon | ASTM E1019 |
| Hydrogen | ASTM E1447 |
| Oxygen /Nitrogen in Titanium | ASTM E1409 |
| OES | ASTM E415, E1086, E1251 |
| (Ag, Al, As, Au, B, Ba, Be, Bi, C, Ca, Cd, Ce, Co, Cr, Cu, Dy, Er, Ga, Gd, Hg, In, Li, La, Mg, Mn, Mo, N ₂ , Na, Nb, Nd, Ni, P, Pb, Pd, Pr, Pt, S, Sb, Se, Si, Sn, Ta, Te, Ti, Tl, V, W, Yb, Zn, Zr) | |
| XRF | ASTM E572, E1172, E1621, E322, E539, E1085 |
| (Ag, Al, As, Au, Bi, Ca, Cd, Ce, Cl, Co, Cr, Cs, Dy, F, Fe, Ga, Gd, Ge, Hf, In, K, La, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pd, Pt, Ru, S, Sb, Sc, Se, Si, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr) | |
| Specific Ion Selective Electrode (SISE) (Cl, F) | ASTM C114, D512, D1179 |
| pH | ASTM E70 |
| Wet Chemistry-Titration | SCL-300, SCL-301 |

¹This accreditation covers testing performed at the main laboratory listed above, and the satellite laboratory listed below.

WEST PENN TESTING GROUP
1010 Industrial Blvd
New Kensington, PA 15068

| <u>Tests</u> | <u>Test Method(s)</u> |
|-------------------------------------|--|
| Ultrasonic – Immersion | AMS 2630, 2631, 2632, 2634; AMS-STD-2154; ASME SA-388, Sec III NB, Sec III NCA; ASTM A388, B594, E1001, E127, E428, E2375; BAC 5439; BSS 7055; CPW 298; CSTI 006; DMC-022; DPS 4.713; EMS 52321; ETTC-7; GAMPS 9101; GSS16101; NAS824; NDTs 5101A; P29TF82; P3C-AG101, P3C-AG107, P3C-AG108, P3C-AG42; P3TF15, P3TF31, P3TF34, P3TF52; PS 21211; RPS 705, 707; SIM-11; SIS-42; T9074-AS-GIB-010/271; ZES 2B-09 |
| Ultrasonic – Contact | TWP 1098; DGTLV-511500001; ASTM A388; P3C-AL-0013; MIL-STD-271, MIL-STD-2132 |
| Magnetic Particle – Wet Fluorescent | AMS 2300, 2301; ASTM E1444, E709; RPS 700; MIL-STD-271, MIL-STD-2132 |
| Magnetic Particle – Dry Visible | ASTM E709; MIL-STD-271, MIL-STD-2132; T9074-AS-GIB-010/271 |

Tests

Liquid Penetrant Fluorescent & Visible Methods
(A,B, C & D)

Test Method(s)

ASTM E165, E1417; RPS 702, 709; MIL-STD-271,
MIL-STD-2132; T9074-AS-GIB-010/271