



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## ANALYTICAL PROCESS LABORATORIES, INC.

*Milwaukee, WI*

for technical competence in the field of

### Chemical 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 28th day of September 2009.



A handwritten signature in black ink, appearing to read "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 0431.01  
Valid to September 30, 2011

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ANALYTICAL PROCESS LABORATORIES, INC.

8222 West Calumet Road

Milwaukee, WI 53223

Joseph Worzala Phone: 414 355 3909

CHEMICAL

Valid To: September 30, 2011

Certificate Number: 0431.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on metals and fasteners:

Spectroscopy:

ASTM E415	Optical Emission Vacuum Spectrometric Analysis of Carbon and Low-Alloy Steel
ASTM E1086	Optical Emission Vacuum Spectrometric Analysis of Stainless Steels by the Point-to-Plane Technique
ASTM E1215	Optical Emission Vacuum Spectrometric Analysis of Aluminum and Aluminum Alloys
ASTM E1306	Preparation of Metal and Alloy Samples by Electric Arc Remelting
ASTM E1999	Optical Emission Spectrometric Analysis of Cast Iron
APL 43	Chemical Analysis of Copper Alloys by Optical Emission Spectrometer
ASTM E1508	Chemical Analysis by Energy Dispersive Spectrometry (Semi-quantitative)

**Combustion Analysis:**

ASTM E1019	Determination of Carbon, Sulfur, Nitrogen, and Oxygen
------------	---



World Class Accreditation

The American Association for Laboratory Accreditation

## *Accredited Laboratory*

A2LA has accredited

# **ANALYTICAL PROCESS LABORATORIES, INC.**

*Milwaukee, WI*

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 28th day of September 2009.



  
\_\_\_\_\_  
Peter Abney

President & CEO  
For the Accreditation Council  
Certificate Number 0431.02  
Valid to September 30, 2011

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ANALYTICAL PROCESS LABORATORIES, INC.  
8222 West Calumet Road  
Milwaukee, WI 53223  
Joseph Worzala Phone: 414 355 3909

MECHANICAL

Valid To: September 30, 2011

Certificate Number: 0431.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metals and fasteners:

<u>Test</u>	<u>Test Methods</u>
Hardness	
Rockwell B, C, 30N, 30T	ASTM E18
Brinell	ASTM E10
Microhardness (Knoop)	ASTM E384
Tensile	ASTM A370, E8; DIN 10002; JIS-Z-2241
Impact (V-notch and U-notch)	ASTM E23; DIN 10045; ISO 148; JIS-Z-2242
Bend Test	ASTM E190
Metallographic Evaluation:	
Preparation	ASTM E3
Grain Size (Comparison and Intercept Methods)	ASTME112 (Section 10 and 13)
Inclusion Content	ASTM E45 Method A
Depth of Decarburization	ASTM E1077
Macroetch	ASTM E340
Intergranular Attacks	ASTM A262 Methods A, B, E and F
Evaluation of Graphite in Fe Castings	ASTM A247
Plating Thickness	ASTM B487, B767
Microetch	ASTM E407
Failure Analysis	ASM Handbook Vol. 11
Weld Operator and Weld Procedure Qualifications (Tensile, Bend, Impact, Macroetch)	ASTM A488; ASME Section IX; AWS B4.0, D1.1; NAVSEA S9074-AQ-G1B-010/248
Physical Properties/NDT	
Density	ASTM B311
Liquid Penetrant Inspection	ASTM E165
Electrical Conductivity	ASTM E1004

*Peter Mlynar*  
Page 1 of 1