

World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

BOWSER-MORNER, INC.

Dayton, OH


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).

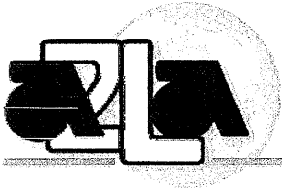
Presented this 28th day of January 2010.





President & CEO
For the Accreditation Council
Certificate Number 71.03
Valid to March 31, 2012
Revised January 20, 2012

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 17025-1999

BOWSER-MORNER, INC.
4518 Taylorsville Rd., PO Box 51
Dayton, OH 45401-0051
Mark Bingman Phone: 937 236 8805

CHEMICAL

Valid To: March 31, 2012

Certificate Number: 0071.03

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

Metals Analysis:

Test Name:

Test Method:

Chemical Analysis of Metals and Metal Alloys for the following determinations:

- Metals by Inductively Coupled Plasma (ICP)
- Phosphorus by Gravimetric Analysis
- Silicon by Gravimetric Analysis
- Chromium by Volumetric Analysis
- Nickel by Gravimetric Analysis
- Copper by Electrolytic Analysis

ASTM E53, E350, E351, E352, E353, E354, E478 (All Mod.);
BMI 34-060
BMI 34-072
BMI 34-066, BMI 34-067
BMI 34-073
BMI 34-074
BMI 34-070

Chemical Analysis of Metals and Metal Alloys by Optical Emission Vacuum Spectrometric – Glow Discharge (GDS)

ASTM E1251, E415, E1086 (All Mod.); BMI 34-071

Chemical Analysis of Carbon and Sulfur Content in Metal Alloys by Induction Method

ASTM E1019, BMI 34-065

Microscopic Evaluation and Characterization by Scanning Electron Microscope (SEM)

BMI 36-024

Qualitative Elemental Analysis by Energy Dispersive Spectroscopy (EDS)

BMI 36-024

Fourier Transform Infrared Spectroscopy (FTIR)

ASTM D3677, E1252, D3414, BM 37-002

Limestone and Ores:

Test Name:

Chemical Analysis of Limestone, Quicklime, and Hydrated Lime

X-Ray Spectrometric Analysis of Lime and Limestone

Major and Trace Elements in Limestone and Lime by Inductively Coupled Plasma (ICP)

Soluble Chloride in Mortar and Cement (Acid and Water)

Test Method:

ASTM C25 (Mod.);
BMI 32-069, BMI 32-070

ASTM C1271; BMI 32-035

ASTM C1301;
BMI 32-069

ASTM C114, C1218; C1524
BMI 32-007

Petroleum and Petroleum Products:

Test Name:

Flash Point by Tag Closed Tester

Flash and Fire Points by Cleveland Open Cup

Flash Point by Pensky-Martens Closed Cup Tester

Water in Petroleum Products by Distillation

Sulfur in Petroleum Products (General Bomb Method)

Kinematic Viscosity of Transparent and Opaque Liquids

Ash Content from Petroleum Products

Chlorine in Petroleum Products (Bomb Method)

Sulfated Ash from Lubricating Oils and Additives

Specific Gravity, Apparent, of Liquid Industrial Chemicals

Water in Liquid Petroleum Products by Karl Fischer Reagent

Processing Microscopically Sizing and Counting Particles from Aerospace Fluids on Membrane Filters

Test Method:

ASTM D56, BMI 35-061

ASTM D92, BMI 35-060

ASTM D93, BMI 35-059

ASTM D95, BMI 35-065

ASTM D129, BMI 35-058

ASTM D445, BMI 35-069

ASTM D482, BMI 35-056

ASTM D808, BMI 35-057

ASTM D874, BMI 35-071

ASTM D891, BMI 35-055

ASTM D1744, BMI 35-063

ASTM F311, BMI 35-072