

Analytical Services Division

Bowser-Morner's *Analytical Services Division* provides a wide variety of services to identify materials, assess their strength, and determine their resistance to the elements of nature. Our laboratory can handle large-volume sample submissions of limestone for quarry audits and checks.

We also offer a large array of mechanical services, welder qualifications, glass testing and window and door testing. Our A2LA-accredited calibration department will help you keep your equipment ready and responding accurately when you need it.

Our in-depth special chemistry and investigations group is available to assist you with the unexpected or unknown.

Quality is a top priority exemplified by our collective commitment to our corporate **Quality Assurance** Program. Our program keeps us in compliance with recognized standards along with our active participation in independent accreditation, certification, and proficiency programs. Bowser-Morner is proud to have **A2LA** calibration, chemical and mechanical accreditation (Certificate Nos. 0071.03, 0071.04 and 0071.05)



**BOWSER
MORNER**®

4518 Taylorsville Road
Dayton, Ohio 45424

Phone: (937) 236-8805

Fax: (937) 237-9947

Contact:

Mike Liberty

(937) 236-8805, ext. 256

E-mail: mliberty@bowser-morner.com

Thomas Ryan

(937) 236-8805, ext. 211

E-mail: tryan@bowser-morner.com

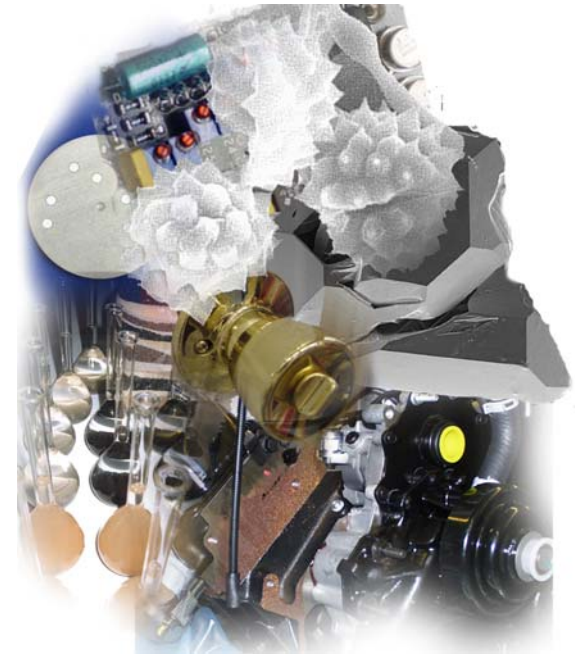
Steven L. Kosztya

(330) 908-3112

E-mail: skosztya@bowser-morner.com

www.bowser-morner.com

Analytical Services



**BOWSER
MORNER**®
Quality Since 1911



Our Analytical Chemistry section offers a variety of technologies to facilitate the compositional analysis of different materials. Some of the methods we offer in addition to our classical wet chemistry are:

- **SEM/EDS**

(Scanning Electron Microscope/Energy Dispersive Spectroscopy) One of the most powerful tools in visual and chemical analysis.

- **FTIR**

(Fourier Transform Infrared Spectroscopy) Used to analyze carbon-based materials including petroleum products, plastics, polymers, rubber, and many other materials.

- **GDS/QDP**

(Glow Discharge Spectroscopy and Quantitative Depth Profiling) Analyzes many metal samples, for chemical composition on the surface or through a specified depth of the sample.

- **ICP**

(Inductively Coupled Plasma) Analyzes digested samples for a variety of metals in a single run and is one of the instruments

that allows our analytical laboratory to handle high—volume sample submissions (including limestone).



Bowser-Morner provides mechanical, metallurgical, and environmental simulation services tailored to your needs.

- **Tensile**
- **Hardness**
- **Impact**
- **Micro-Hardness**



- **Salt Spray (Fog)**
- **Temperature/Humidity/Altitude**
- **Weatherometer**

- **Vibration**
- **Flammability**
- **Shock**
- **And Much More**



Another service of our Analytical Services Division is calibration of your measuring and testing equipment for mechanical, force, mass, pressure, dimensional, torque, time, thermodynamic, and electrical requirements by our **A2LA-** accredited calibration laboratory (Certificate No. 0071.05).



Special chemistry and investigations can be very complex; we offer general chemistry by wet, atomic absorption, and inductively coupled plasma techniques. When you experience a material or process failure, we can help you find out what went wrong using equipment such as our Scanning Electron Microscope (**SEM**) or our Energy Dispersive X-Ray Spectrometer (**EDS**). If you have a coating problem or just need to verify the quality or quantity of a coating, we offer several methods including Quantitative Depth Profiling (**QDP**).

“we’re in business to help your business succeed.”



Email: sales@bowser-morner.com