

Trusted Technical Expertise.



Our Tucson laboratory has offered a variety of analytical testing services since 1980, including:

- **Micro-Elemental Testing;**
- **Fuel Testing for Power Generation;**
- **Environmental Testing of Water and Soils;**
- **Analyses of Soil and Waste-rock for Acid Generation Potential;**
- **Agronomic Analyses; and**
- **Leaching / Attenuation Studies for the Mining Industry.**

We have provided analytical services to many of the government and academic research laboratories across the country, as well as services to a variety of other industries, including pharmaceutical, biotech, chemical, electronic, power generation, mining, and environmental consulting.

Our rigorous quality assurance program helps ensure that we give our clients the highest quality analytical services available. Our goal as a company is to exceed our clients' expectations by providing sound science, unsurpassed testing quality and extraordinary customer service.

Mining

Analytical services are provided to the mining industry to help identify and treat sources of acid mine (or acid rock) drainage and the corresponding leaching of heavy metals into the environment. Our Tucson lab performs analyses of soil, waste rock, and spent ore for:

- Acid Generation Potential (Sulfur – total and forms);
- Neutralization Potential;
- Net Acid Generation;
- Heavy Metals Analyses;
- Meteoric Water Mobility;
- Humidity Cell Testing;
- Column Leach and Attenuation Studies;
- Effluent Treatability Studies; and
- General Agronomic Soil Tests.





Solid Fuels Testing

Solid fuel testing services are provided to a variety of industries and government research labs around the country in support of alternate fuels to power research, MACT (Maximum Achievable Control Technology) regulations for boilers and industrial furnaces, and quality control testing of fuels to maximize combustion performance. Analytical capabilities include analyzing of coal, wood chips, biomass, used tires, waste oil, and other organic liquids for:

- Proximate (Moisture, Ash, Volatile Matter & Fixed Carbon);
- Ultimate (CHNOS);
- Total Halogens (Br, Cl, F);
- Heavy Metals;
- Mineral Analysis of Ash; and
- Heating Value (BTU).

Micro-Elemental Services

We have provided thousands of clients worldwide with high quality data and service. We contribute to research & development by providing analytical services to pharmaceutical, biotech, electronic, cosmetic, and manufacturing industries. Many well known university and government research laboratories rely on our laboratory to generate high quality data in support of their research programs.

We have extensive experience working with difficult matrices, such as air-sensitive compounds and with samples of extremely limited volume. Each analysis is performed by highly experienced analysts who treat each sample individually depending on the sample matrix. Routine orders are completed in five to 10 working days. Same-day, next-day, and two day rush services are available at an additional cost.



For more information visit our website at www.caslab.com or call 800.695.7222.