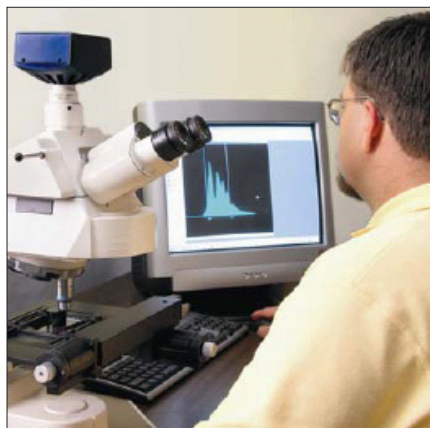


METALLURGICAL COAL, COKE AND CONSULTING

MET COAL

The SGS laboratory in Beckley, WV has full chemical, rheological, and petrographic capabilities. Carbonization tests are performed using our sole heated, pressure test, and movable wall ovens to evaluate current and prospective coal blends to insure optimum coke quality and safe oven operation. Through our network of laboratories in the steel producing regions and along the nation's inland waterways, we can provide sampling and analysis services for met coal and coke shipments.



METALLURGICAL COAL & COKE TESTING

- Petrographic Analysis
 - Individual coals and blends
 - Reflectance, maceral analysis
 - Coke and by-product
- Chemical Analysis
 - Proximate, sulfur
 - Ash chemistry, ash fusion
 - Light transmittance
- Rheological Analysis
 - Gieseler plastometer
 - Arnu dilatometer
 - Free swelling index
 - Sole heated oven
 - Pressure test oven
 - Movable wall oven
- Coke Physical Tests
 - Stability, hardness, shatter
 - Micum, screen analysis
 - CRI/CSR



CONSULTING SERVICES

- Coke plant problem solving - coal and coke related
- Coal selection and blend modeling for optimum coke quality and safe battery operation
- Coal supplier evaluation for production, quality, shipping, and quality control capabilities
- Technical support on a continuing basis
- On-site training seminars on coal mining, preparation, sampling, coal and coke analysis, coal blending and coke making



CONTACT INFORMATION

Email us at minerals@sgs.com
www.sgs.com/mining

WHEN YOU NEED TO BE SURE

SGS