

Coal

Trusted. Independent. **Committed.**



Consistently knowing your coal quality is essential to eliminate penalties and maximize profits. SGS works hand-in-hand with your operations to provide cost effective solutions for quality and operational challenges. SGS is synonymous with the highest levels of integrity, independence, impartiality and accuracy. With our core services and industrial expertise to help you improve your operational efficiencies, our global technical leadership helps minimize operational and financial risk. Whether you need sampling, inspection or laboratory services, mechanical sampling systems, on-line analysis for blending and sorting support, our staff provide unrivalled experience and value to help you maximize your potential.

SGS

Laboratory testing

- Proximate, ultimate and the full range of coal, ash and mineral analysis
- Sink-float/washability testing
- Mineralogy testing
- Physical and particle size analysis
- Toxicity and TCLP testing.
- Coke strength and stability testing
- Rheology testing
- Analysis of met, steam coal, pet coke and ash
- Operating on-site and near-site laboratories
- Proficiency test programs
- Customized quality assurance programs, audits and training

Shipment services

- Inspection
- Load and discharge supervision
- Rail, vessel and barge assessment
- Vessel and barge gauging
- Draft surveys
- Quality and quantity evaluations

Inventory services

- Stockpile management services
- Volume computation
- Density determination
- Tonnage calculation

Sampling services

- Design, construction and operation of mechanical sampling systems
- Manual and auger sampling
- Channel sampling
- Sampling system audits, bias testing, operation and preventative maintenance

Coal preparation plant services

- Plant audit/efficiency tests and plant sampling
- Optimization and troubleshooting consulting
- Process simulations

Real time analysis

- Design, commission, install, operate, calibrate and support of on-line analysis systems
- Real time control of quality using sorting and blending systems
- Engineering services to develop capital justifications for these systems

Reserve evaluation

- Design of drilling program
- Logging and core sampling
- Core analysis
- Geostatistics and reserve calculations
- Conditional simulation and evaluation
- Moisture-holding capacity and rank determination
- Rock mechanics and geotechnical testing
- Coal bed methane gas content

Environmental services

- Air, water and soil hazard analysis
- Silica, dust and workplace air quality analysis
- Noise abatement audits and strategies
- Independent data hosting
- Environmental impact studies

SGS is the world's leading Testing, Inspection and Certification company. We operate a network of over 2,500 laboratories and business facilities across 115 countries, supported by a team of 99,500 dedicated professionals. With over 145 years of service excellence, we combine the precision and accuracy that define Swiss companies to help organizations achieve the highest standards of quality, compliance and sustainability.

Our brand promise – *when you need to be sure* – underscores our commitment to trust, integrity and reliability, enabling businesses to thrive with confidence. We proudly deliver our expert services through the SGS name and trusted specialized brands, including Brightsight, Bluesign, Maine Pointe and Nutrasource.

Contact us

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