

ISO 9000  
Since 1996



## Clark Laboratories Coal & Coke Lab



Clark Labs Coal & Coke Laboratory specializes in metallurgical coal and coke testing and serves clients, both metallurgical and steam producers, through state-of-the-art technology, high-quality services, and on-time analysis. This unique laboratory analyzes individual coals and evaluates coals' potential in metallurgical coal blends. Using computer models and pilot-oven testing, this laboratory also predicts how individual coal changes to an established coal blend will affect resultant carbonization pressures and coke quality.



Coal & Coke Lab



A unique attribute of this lab is the use of pilot test ovens with closely controlled testing variables that include heating rate, pulverization and bulk density, all of which simulate actual plant operating conditions. In addition, the Clark Labs Coke & Coal Lab offers customized training programs and seminars for clients.

To further assist customers in areas of coal production, preparation, and coke making, the Clark Labs Coke & Coal Lab also operates a West Virginia-based Coal Quality Verification Services (CQVS) group. This group provides consulting services and assists with coal inspection, shipment monitoring, supplier quality audits, test laboratory and ISO 9000 internal auditing, sampling system inspection, verification of facility operations and product quality.

## Testing Services

Clark Labs Coke & Coal Lab provides comprehensive testing, consulting, training, inspection and specialized services for the coal (metallurgical and steam) and coke (foundry and blast furnace) industries.

## Tests and Services Available

- Chemical and physical analysis
- Coal sample blending and preparation
- Consulting and training programs
- Petrographic analysis
- Pilot-oven carbonization testing
- Reactivity and CSR
- Rheological analysis
- Pilot ovens, which determine coking pressures, volume percent changes (shrinkage/expansion) and resultant coke quality

## Unique Programs

### Coal Quality Verification Services (CQVS)

- Inspection and monitoring of coal and coke shipments
- Shipment sample collection and analysis
- Quality confirmation audits using ASTM and/or customer specifications
- Specialized consulting and technical services
- ISO QMS and EMS Audits

### Facilities Supported

- Port and inland facilities
- Domestic and export shipments
- Mine sites
- Preparation plants
- Laboratory sites
- Sampling, blending, preparation and analysis



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