

Clear Creek Advisory

Certificate of Analysis

Synthetic Certificate of Analysis – Demonstration Purposes Only

Certificate ID: COA-88421

Sample ID: SAMPLE-88421-A

Shipment / Lot ID: Demo Shipment CCA-2026-0412

Coal type: Low-Volatile Metallurgical Coal

Basis: As-determined and air-dried basis per buyer contract

Issue Date: May 24, 2026

Laboratory: Synthetic Demo Lab Services

Analytical Results

Laboratory results below correspond to the synthetic demonstration COA used in the CoalSense sample review workflow.

Parameter	Result	Method
Total Moisture	8.2%	Standard coal analysis
Ash	9.8%	Standard coal analysis
Volatile Matter	17.4%	Standard coal analysis
Fixed Carbon	72.8%	Standard coal analysis
Sulfur	0.92%	Standard coal analysis
BTU / GCV	14,180 BTU/lb	ASTM D5865
HGI	52	ASTM D409
FSI	8.5	ASTM D720
CSR	68	ISO 18894
CRI	22	ISO 18894
Phosphorus	0.045%	Standard coal analysis
Size (+1/2" retained)	4.2%	Sieve analysis

Laboratory Notes

- Composite shipment sample prepared for demonstration workflow only.
- Moisture reported on as-received basis; ash, VM, FC, sulfur, and phosphorus on air-dried basis unless noted.
- Coking indices measured on representative plastometer / coke button preparation per listed methods.
- This certificate pairs with the synthetic buyer specification and CoalSense sample review report.

Disclaimer

This synthetic Certificate of Analysis is provided for CoalSense demonstration purposes only. Results are fictional and do not represent an actual laboratory analysis, shipment, or commercial certificate. Clear Creek Advisory provides coal-quality screening — not laboratory certification or legal advice.