



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

Mineral Labs, Inc.
480 Parkway Drive, Salyersville, KY 41465

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Chemical and Mechanical Testing
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

February 23, 2018

March 15, 2025

March 31, 2027

Tracy Szerszen
President

Accreditation No.:

Certificate No.:

96073

L25-208

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjlab.com*



Certificate of Accreditation: Supplement

Mineral Labs, Inc.

480 Parkway Drive, Salyersville, KY 41465
Contact Name: Marvin Ross Boyd Phone: 606-349-6145

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Chemical	Coal, Coke, Biomass, Soil Water	Moisture	ASTM D2961	Thermo-gravimetric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Moisture	ASTM D3173	Thermo-gravimetric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Moisture	ASTM D3302	Thermo-gravimetric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Ash	ASTM D3174	Thermo-gravimetric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Volatile Matter	ASTM D3175	Volatilization Gravimetric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Sulfur	ASTM D4239	Combustion, Infrared Detection	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Gross Calorific Value	ASTM D5865	Combustion Thermometric	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Oxidation	ASTM D5263	Precipitation Gravimetry, Transmission Spectrophotometry	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Metals	ASTM D6357	Inductively Coupled Plasma Mass OES	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Mercury	ASTM D6722	Combustion, Absorption Spectrophotometry	F1, F2	F
Chemical	Coal	Chlorine	ASTM D8247	Combustion, Ion Chromatography Detection	F1, F2	F
Chemical	Coal	Fluorine	ASTM D8247	Combustion, Ion Chromatography Detection	F1, F2	F
Chemical	Coal	Bromine	ASTM D8247	Combustion, Ion Chromatography Detection	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Carbon, Nitrogen, and Hydrogen	ASTM D5373	Vertical Tube Furnace Combustion, Infrared Detection	F1, F2	F
Chemical	Coal, Coke, Biomass, Soil Water	Ash mineral analysis	ASTM D6349 ASTM D4326	Inductively Coupled Plasma Atomic Emission Spectrometry XRF	F1, F2	F
Mechanical	Coal, Coke	Size Consist	ASTM D293	Gravimetric	F1, F2	F
Mechanical	Coal, Coke	Free Swelling Index	ASTM D720 ASTM D720M	Volatilization Gravimetric	F1, F2	F
Mechanical	Coal, Coke	Grindability-Hardgrove	ASTM D409 ASTM D409M	Gravimetric, Mechanical sieving, Grindability Machine	F1, F2	F



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Mechanical	Coal, Coke	Geiseler Plasticity	ASTM D2639 ASTM D2639M	Thermo-gravimetric	F1, F2	F
Mechanical	Coal, Coke	Arun Dilatation	ASTM D5515	Thermo-gravimetric	F1, F2	F
Mechanical	Coal	Preparation of Coal Samples for Analysis	ASTM D2013 ASTM D2013M	Thermo-gravimetric	F1, F2	F

1. Location of activity:

Location

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
- F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope