

**Analytical Results**

(Dried Basis)

	ASTM Method	Mean	St Dev	Expanded Uncertainty	n	k
% Ash	D3174/D7582	8.17	0.11	0.23	21	2.09
% Volatile Matter	D3175/D7582	36.69	0.73	1.52	21	2.09
% Fixed Carbon (calc)	D3172	(54.79)	--	--	--	--
% Sulfur	D4239	2.40	0.04	0.09	40	2.02
BTU/lb	D5865	13022	31	74	8	2.36

Note: Parentheses ( ) indicate an information-only value.

**Primary (NMI)/GUIDE 34/ISO 17034 Reference Standards Employed:**

	Primary Reference Standards
% Ash	LQSI 200045
% Sulfur	LQSI 8H0158, QAR CRM-9a, NIST 2683C, NIST 2684c
BTU/lb	Benzoic acid
Volatile Matter	LQSI 200045

*\*The analytical results above are provided by an accredited reference material manufacturer with a current certification in ISO 17025 and 17034.*

The intended use of this Reference Material (RM) is for the verification of various tests using the above-mentioned test methods.

Typical and minimum sample sizes for analytical testing are dependent upon the test method and instrumentation used.

The Period of Validity for this RM is not able to be determined and should be reviewed every 20 years after the date below. Once opened this product is valid for 2 years.

This bottle contains 50g of fine coal powder (-60mesh) to be used per the test method you follow. Keep sealed tightly and store under normal laboratory conditions. This material is intended to be dried or corrected for moisture as per the test methods used.

Refer to your test methods and or manufacturer manual for expanded uncertainties, repeatability/reproducibility factors.

For good laboratory practice, we recommend that all reference materials be verified as fit for purpose prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Elemental Microanalysis Ltd. be liable for incidental or consequential damages.

**Certified on the 14<sup>th</sup> of May 2024.**

Elemental Microanalysis Ltd