

Analytical Results					
(Dried Basis)					
	% Ash	% Volatile Matter	% Fixed Carbon (calc)	% Sulfur	BTU/lb
<b>Test Method</b>	ASTM D3174/D7582	ASTM D3175/D7582	ASTM D3172	ASTM D4239	ASTM D5865
<b>Mean</b>	19.18	29.28	(51.16)	3.31	11377
<b>St Dev</b>	0.12	0.75	--	0.13	33
<b>Exp Uncertainty</b>	0.24	1.56	--	0.27	78
<b>n</b>	21	21	--	40	8
<b>k</b>	2.09	2.09	--	2.02	2.36

Primary (NMI) Reference Standards Employed:	
Test	Primary Reference Standards
<b>% Sulfur</b>	NIST SRM 2684c, 2685c; NCS FC28009F; QAR CRM-9a; LQSI 8H0158
<b>BTU</b>	Benzoic Acid
<b>Volatile Matter</b>	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.

The minimum sample size to perform this intended use is dependent on 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 from the date below. Once opened this certificate is valid for 2 years.

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

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 19<sup>th</sup> of April 2024.**

Elemental Microanalysis Ltd