

Analytical Results

Measurand	Value	(±)	Method & Detection	n	k
% Ash	13.40	0.21	Thermogravimetry/Mass Balance	21	2.1
% Volatile Matter	25.24	1.65	Thermogravimetry/Mass Balance	21	2.1
% Sulfur	0.86	0.10	Combustion/IR	40	2.0
BTU/lb	12438	117	Calorimetry	8	2.4
% Carbon	73.05	1.01	Combustion/IR	8	2.4
% Hydrogen	3.54	0.73	Combustion/TC	8	2.4
% Nitrogen	1.27	0.24	Combustion/TC	8	2.4

Note: (±) indicates expanded uncertainty.

Other values for reference

Measurand	Value	Method
% Fixed Carbon (calc)	61.36	ASTM D3172
% Oxygen (calc)	7.98	ASTM D3176

**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 and calibration of the test methods listed above.

The recommended minimum sample size to perform this intended use is 1.0g. Please refer to recommendations in line with your testing method and instrumentation.

The Period of Validity for this RM is 15 years from the date of certification.

This bottle contains 50g of fine powder to be used per the test method you follow. 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 21st of August 2024.

Elemental Microanalysis Ltd