

Analytical Results					
Property	Value	U _{95%}	Method & Detection	n	k
% Carbon	51.90	1.63	Combustion/IR	35	2 (95% confidence)
% Hydrogen	6.26	0.22	Combustion/TC	30	2 (95% confidence)
Calorific Value (BTU/lb)	8874	117	Bomb Calorimetry	30	2 (95% confidence)
Reference Values Only					
% Nitrogen	0.13	-	Combustion/TC	-	2 (95% confidence)
% Sulfur	0.02	-	Combustion/TC	-	2 (95% confidence)
% Ash	0.26	-	Thermogravimetry	-	2 (95% confidence)
% Volatiles	84.00	-	Thermogravimetry	-	2 (95% confidence)
Methods Employed:					
ISO 16948:2015 – Solid biofuels – Determination of total content of carbon, hydrogen and nitrogen ISO					
16994:2016 – Solid biofuels – Determination of total content of sulfur and chlorine					
ISO 18122:2022 – Solid biofuels – Determination of ash content					
ISO 18123:2023 – Solid biofuels – Determination of volatile matter					
ISO 18125:2017 – Solid biofuels – Determination of calorific value					

**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/or calibration of the analytical methods listed.

The minimum sample size to perform this intended use is dependent upon the test method and instrumentation used.

The Period of Validity for this RM is 5 years from the date below, if handling and storage instructions are followed.

This product should be dried prior to use in a manner consistent with the analytical methods listed.

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 14th of November 2024

Elemental Microanalysis Ltd