

Analytical Results

% Carbon	% Sulfur
Mean = 3.48	Mean = 0.0211
St Dev = 0.04	St Dev = 0.0014
Exp Uncertainty = 0.09	Exp Uncertainty = 0.0031
k=2, @95 CI, n=40	k=2, @95% CL, n=40

Primary (NMI) Reference Standards Employed:

NIST SRM: 338, 107C
NCS: HC 11003, NS 56005, HC 11010
EURO: 035-2, 481-1
JSS: 102-8, 120-1

Method of Analysis: ASTM E 1019-11

**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 calibration and validation of induction combustion analyzers with IR detectors as described in the above ASTM methods.

The minimum sample size to perform this intended use will be dependent your instrument configuration. Typical nominal test sample size was 0.3g to 0.5g as recommended by the instrument manufacturer.

The Period of Validity for this RM is not able to be determined and should be reviewed every 10 years from the date below.

This bottle contains 150g of 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 16th of April 2024.

Elemental Microanalysis Ltd