

Analytical Results

% Carbon	%Sulfur
Mean = 0.470	Mean = 0.012
Standard Deviation = ± 0.003	Standard Deviation = ± 0.001
Expanded Uncertainty = ± 0.007	Expanded Uncertainty = ± 0.002
(k=2, @95% confidence limit) (n=36)	(k=2, @95% confidence limit) (n=35)

Primary (NMI)/ISO17034 Reference Materials Employed:

NIST SRM	2160, 213c, 178, 346a
JSS	512-7, 605-11
EURO	226-1, 291-1
NCS	NS11009, NS11011

Method of Analysis is ASTM E1019-18

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 verification of induction combustion Carbon/Sulfur analysis by infra-red detection as described by ASTM E1019.

The minimum and typical sample size to perform this intended use is 1g (1 ring) per ASTM E1019.

The Period of Validity for this RM is not able to be determined and should be reviewed 25 years after the date below.

This bottle contains 454g of 1g rings 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.

7th of July 2023.

Elemental Microanalysis Ltd