

Analytical Results	
% Carbon Mean = 0.787 Standard Deviation = ± 0.006 Expanded Uncertainty = ± 0.013 (k=2, @95% confidence limit) (n=49)	% Sulfur Mean = 0.015 Standard Deviation = ± 0.001 Expanded Uncertainty = ± 0.002 (k=2, @95% confidence limit) (n=45)
Primary (NMI)/ISO17034 Reference Materials Employed: NIST 14e, 155, 163, 123c, 178, 106b, 13g, 363, 152a, 293 JSS 609-10 EURO 227-1, 291-1	
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 (nominal weight) 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 8th of August 2023.

Elemental Microanalysis Ltd