

| Analytical Results  |  |
|---|--|
| <b>% Carbon</b><br>Mean = 0.0198<br>St Dev = 0.0021<br>Exp Uncertainty = 0.0047<br>k=2, @ 95% CI, n=60  | <b>% Sulfur</b><br>Mean = 0.0174<br>St Dev = 0.0019<br>Exp Uncertainty = 0.0042<br>k=2, @ 95% CI, n=60 |
| <b>% Nitrogen</b><br>Mean = 0.0462<br>St Dev = 0.0017<br>Exp Uncertainty = 0.0038<br>k=2, @ 95% CI, n=40  |  |
| Method of Analysis: ASTM E 1019-18  |  |
| <b>Primary (NMI) Reference Standards Employed:</b><br>NIST: SRM: 348a, 2160, 339, 101g, 106b, 155, 64c, 73c<br>EURO: 183-1, 289-1, 284-2, 231-2, 191-2, 035-2, 291-1<br>JSS: 610-10 |  |

*\*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 Carbon/Sulfur/Nitrogen analysis as described by ASTM E-1019.

The typical sample size used for testing was 1 g. The minimum sample size to perform this intended use may depend on your instrumentation and method.

The Period of Validity for this RM is not able to be determined and should be reviewed every 20 years after the date below.

This bottle contains 150g of Stainless-Steel Powder intended for use directly from the bottle with no preparation needed. 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 10<sup>th</sup> of April 2024.

Elemental Microanalysis Ltd.