

### Analytical Results

% Carbon	% Sulfur
Mean = 0.105	Mean = 0.0048
Standard Deviation = $\pm 0.003$	Standard Deviation = $\pm 0.0004$
Expanded Uncertainty = $\pm 0.006$ (k=2, @95% confidence limit) (n=59)	Expanded Uncertainty = $\pm 0.0013$ (k=2, @95% confidence limit) (n=55)

Method of Analysis is ASTM E1019-18

Primary (NMI)/ISO17034 Reference Standards Employed:

NIST SRM – 133b, 343a, 129c, 101g, 335, 73c

NCS – NS11011

BAM – 286-1, 183-1, 291-1, 294-1

JSS – 030-9

*\*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 (1pin).

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 pins (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 17<sup>th</sup> of November 2023.

Elemental Microanalysis Ltd