

Analytical Results

Dried Value

% Sulfur (mass fraction) = 2.51
Expanded Uncertainty = ± 0.06
($k=2$, @95% confidence limit, $n=42$)

This RM is traced to:
N.I.S.T. SRM 2683c, 2684c and NCS FC28011d, FC28012c

METHOD:
ASTM D 4239-18 AND ARI-LAB-616

**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 quality validation of sulfur by resistance furnace combustion, infra-red detection analysis as specified by ASTM D4239 or other valid test methods.

The sample size used and minimum sample size to perform this intended use is 300-500mg.

The Period of Validity for this RM is 15 years from the date of the certificate.

This bottle contains 50g of minus 60mesh (250 micron) coal 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 6th of January 2023.

Elemental Microanalysis Ltd.