

Analytical Results

Dried Value

% Sulfur (mass fraction) = 5.16
Expanded Uncertainty = ± 0.14
($k=2$, @95% confidence limit, $n=39$)

This RM is traced to:

N.I.S.T. SRM: 2685c
NCS CRM: FC28143

METHOD: ASTM D 4239-18

The analytical results above are provided to Elemental Microanalysis 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 verification of 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 minimum sample size to perform this intended use is approximately 300-500mg.

The Period of Validity for this RM is 2 years from the date of opening. The material should be reviewed 20 years after the date below.

This bottle contains 50g of 60-mesh (250 micron) coal powder to be used per the test method you follow. Keep sealed tightly and store under normal laboratory conditions.

The analytical samples were dried per the NMI used or corrected for moisture as per the test method.

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.

28th of June 2023.

Elemental Microanalysis Ltd