

Analytical Results

Dried Value

Percent Sulfur (mass fraction) = 1.15

Expanded Uncertainty = ± 0.05
($k=2$, @95% confidence limit, $n=42$)

This CRM is traced to:

N.I.S.T. SRM: 2683c, 2692c, 1632d

NCS CRM: FC28004b, FC28010e

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

The Period of Validity for this RM is not able to be determined and 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.

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.

Once opened, this material is valid for 2 years.

Certified on the 27th of July 2023.

Elemental Microanalysis Ltd.