

## Analytical Results

### % Sulfur

Value = 0.74

Expanded Uncertainty =  $\pm 0.03$

Method & Detection = Combustion/IR

n = 42

k=2.0

The reported values are metrologically traceable to the SI derived unit of mass fraction expressed as a percent.

The reported values were measured using the following primary reference standards:

AR 1702-702322, 1723-723823, 1704-704713

Methods employed:

ASTM D4239-18 – Standard Test Method for Sulfur in the Analysis Sample of Coal and Coke Using High-Temperature Tube Furnace Combustion.

*\*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 verification and calibration of resistance furnace combustion (or other appropriate) analysers for the determination of Sulfur.

The typical sample size to perform this intended use is dependent on your instrumentation and test methods employed. A minimum sample size of 0.3g to 0.5g is recommended.

The Period of Validity for this RM is 15 years after the certified date below.

This bottle contains 50g of fine powder (-60 mesh) 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 29<sup>th</sup> of August 2024**

Elemental Microanalysis Ltd