

Analytical Results

% Sulfur (by purity) 32.9%	% Sulfur (by analysis) Mean = 32.9%
Expanded Uncertainty = ± 0.003 Purity – 99.99%	Expanded Uncertainty = ± 1.2 (k=2, @95% confidence) (n=39)
Reference materials employed for traceability and validation: High Purity Zinc Sulfide 99.99% - Lot MKCJ1451.	
Internally defined testing method.	

**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 determination of Sulfur in materials using induction oxidation combustion with infrared detection or other valid test methods. The verification of this reference material was by induction oxidation combustion IR detection using tungsten metal and high purity iron chip for accelerators.

The minimum sample size used was 0.05g nominal. Refer to your instrument manufacturer or test method for minimum and typical sample size that can be used.

The Period of Validity for this RM is not able to be determined. The material should be reviewed 15 years after the date below.

This bottle contains 50g of fine 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.

26th of June 2023.

Elemental Microanalysis Ltd