

## Certificate of Analysis

AR-3085

**ZINC SULFIDE STANDARD**

**LOT# P19F032**

**Sulfur = 32.90%**

**EXPANDED UNCERTAINTY BASED ON PURITY =  $\pm 0.003\%$**   
**(k=2, @ 95% confidence limit)**

Assay: 99.99% (Metals Basis)

F.W. 97.43 g/mol

### Notes:

This Organic Analytical Standard (OAS) consists of high purity zinc sulfide for use as a routine working micro analytical standard. This RM has been verified by XRF and Induction Combustion techniques. The above values represent the stoichiometric values of pure zinc sulfide. Metrological traceability is to the SI derived unit of mass fraction expressed as percent. Refer to your instrument manufacturer's recommendations and/or test method for uncertainty capabilities.

This bottle contains 50g to be used per your test method. This is a reference material and is verified by its purity and empirical stoichiometry in accordance with recommendations of the Analytical Chemistry Section of the International Union of Pure and Applied Chemistry. The material used in production of this standard was identified in accordance with ARI 032. The bottling of this reference material was performed in accordance with ARI-216 and ARI-312. Keep sealed and store under normal laboratory conditions. While unable to determine a definite shelf life this RM should be reviewed 10 years from the date of certification.

Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Alpha Resources be liable for incidental or consequential damages. For good laboratory practice, it is recommended that all standards be verified as fit for purpose prior to use.

This Reference Material has been processed under a Quality Management System that holds an ISO 17034 accreditation refer to scope AR-1920. Produced in accordance to ISO Guide 31 and ISO 17034.

Certified July 25, 2019



Chief Chemist