



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-253849
Lot Number: SAMPLE
Product Name: Zinc ionophore I
CAS Number: 1634-02-2
Molecular Formula: $C_{18}H_{36}N_2S_4$
Molecular Weight: 408.75

Test	Specification	Result
Appearance	Faint yellow to yellow and faint brown-yellow to brown-yellow liquid or viscous liquid	Yellow viscous liquid
Detection		Detection Limit: 7.321×10^{-5} mol/l
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 95.0\%$	96.7%
Slope		23.55 MV/DECADE
Nernst Behavior		0.0513 mol/l - 0.000146 mol/l
Sulfur Content	30.44 - 32.32%	31.2%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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