



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-473119
Lot Number: SAMPLE
Product Name: Sulfamethoxazole N4-glucoside
CAS Number: 119691-75-7
Molecular Formula: $C_{16}H_{21}N_3O_8S$
Molecular Weight: 415.42
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white to pale beige solid
Identification (NMR)	Consistent with structure	Complies
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		95%
Melting Point		> 118 °C (dec.)
Carbon Content	46.26%	43.51%
Hydrogen Content	5.10%	5.25%
Nitrogen Content	10.12%	9.41%
Water Content		4.5% (based on Elemental Analysis)

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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