



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-397670
Lot Number: SAMPLE
Product Name: L-Serine
CAS Number: 56-45-1
Molecular Formula: $C_3H_7NO_3$
Molecular Weight: 105.09

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 99\%$	100%
Solubility	Clear colorless solution at 50 mg/ml in water	Complies
Specific Rotation ($\alpha_{25/D}$)	13.6 - 15.6 °(c = 10 in 2 M HCl)	14.7°
Carbon Content	33.6 - 35.0 %	34.4%
Nitrogen Content	13.0 - 13.6 %	13.3%

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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