



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-280883
Lot Number: SAMPLE
Product Name: L-Homocysteine
CAS Number: 6027-13-0
Molecular Formula: $C_4H_9NO_2S$
Molecular Weight: 135.18

Test	Specification	Result
Appearance	White to slightly off-white powder	Slightly off-white powder
Identification (FTIR)	Consistent with reference spectrum	Complies
Identification (TLC)	Consistent with reference material	Complies
pH	3.7 - 5.3 (5% in water at 25 °C)	4.4 (5% in water at 25 °C)
Specific Rotation ($\alpha_{20/D}$)	25.0° - 29.0°	26.1°
Perchloric Acid Titration	97.0 - 103.0% (0.1 mol/L)	99.3% (0.1 mol/L)

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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