



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-257649  
Lot Number: SAMPLE  
Product Name: L-Cysteine methyl ester hydrochloride  
CAS Number: 18598-63-5  
Molecular Formula:  $C_4H_9NO_2S \cdot HCl$   
Molecular Weight: 171.65

Test	Result
Appearance	White crystalline powder
Identification	Complies
Purity	99.1%
pH	3.4
Residue on Ignition	0.05%
Infrared Spectrum	Complies
Specific Rotation ( $\alpha_{20/D}$ )	-3°
Transmittance	98%
Heavy Metals	< 10 ppm
Loss on Drying	0.2%
Other Amino Acids	Complies
Ammonium	< 0.02%
Arsenic	< 1 ppm
Chloride	20.52%
Sulfate	< 0.048%

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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