



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-255126A  
Lot Number: SAMPLE  
Product Name: DL-Cysteine hydrochloride  
CAS Number: 10318-18-0  
Molecular Formula:  $C_3H_7NO_2S \cdot HCl$   
Molecular Weight: 157.62

Test	Specification	Result
Appearance	White powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 95\%$	$> 95\%$
Solubility	Colorless clear ( $< 3.5$ NTU) solution at 50 mg/ml in water	Colorless clear solution at 50 mg/ml in water
Specific Rotation	$0^\circ$ ( $c = 2$ in 5M HCl at 25 °C)	Complies
Carbon Content	22.3 - 24.0%	22.6%
Nitrogen Content	8.4 - 9.1%	8.8%

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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