



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255055
Lot Number: SAMPLE
Product Name: D-Cysteine hydrochloride monohydrate
CAS Number: 32443-99-5
Molecular Formula: $C_3H_7NO_2S \cdot H_2O \cdot HCl$
Molecular Weight: 175.63

Test	Specification	Result
Purity (Iodine Titration)	$\geq 99.0\%$ (calcd. on dried substance)	99.5%
Solubility	Almost transparency in water	Transparency
Specific Rotation ($\alpha_{20/D}$)	-5.0 - -7.0° (c=8, 1 mol/L HCl)	-5.8°
Loss on Drying	8.0 - 11.0%	9.1%

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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