



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-236605
Lot Number: SAMPLE
Product Name: (R)-(+)-Cysteine hydrochloride
CAS Number: 345909-32-2
Molecular Formula: $C_3H_7NO_2S \cdot HCl$
Molecular Weight: 157.62 (anhydrous basis)

Test	Specification	Result
Appearance	White crystals, crystalline powder or crystalline solid	White powder
Purity (TLC)	$\geq 98 \%$	100 %
Infrared Spectrum	Conforms to structure	Complies
Optical Rotation	4.0 - 7.0° (c=2%, 5N HCl)	5.9°
Loss on Drying	8 - 15 %	9.0 %
Carbon	20 - 21 %	20.4 %
Nitrogen	7.7 - 8.4 %	8.0 %

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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