



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-224263
Lot Number: SAMPLE
Product Name: (S)-(-)-(3-Chloro-2-hydroxypropyl)trimethylammonium chloride
CAS Number: 101396-91-2
Molecular Formula: $C_6H_{15}Cl_2NO$
Molecular Weight: 188.10

Test	Result
Appearance	White powder with chunks
Identification (1H-NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Purity (Silver Nitrate Titration)	99.3% (after oxygen combustion)
TLC	Consistent with listing
Melting Point	213 °C (dec.)
Solubility	Clear colorless solution at 25 mg/ml in water
Optical Rotation	-29.2° (c = 1% water)
Carbon Content	37.59%
Hydrogen Content	7.70%
Nitrogen Content	7.19%

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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