



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-208489
Lot Number: SAMPLE
Product Name: XGLUC Cyclohexylammonium Salt
CAS Number: 114162-64-0
Molecular Formula: $C_{14}H_{13}BrClNO_7 \cdot C_6H_{13}N$
Molecular Weight: 521.79

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Purity (TLC)	$\geq 98\%$	100.0%
Solubility	Clear (< 3.5 NTU) and colorless at 50 mg/ml in dimethylformamide	Clear and colorless
Specific Rotation ($\alpha_{25/D}$)	$-95^\circ - -85^\circ$ ($c = 1$ in dimethylformamide)	-93.4°
Carbon Content	43.6 - 48.5% (anhydrous basis)	46.0%
Nitrogen Content	4.8 - 5.9% (anhydrous basis)	5.4%
Water Content	$\leq 6\%$	3.3%
Suitability	Suitable for uida gene (beta-glucuronidase gene) detection in E.Coli; suitable as a substrate for beta-glucuronidase	Complies

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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