



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-253483
Lot Number: SAMPLE
Product Name: (S)-(-)- α -Amino- γ -butyrolactone hydrobromide
CAS Number: 15295-77-9
Molecular Formula: $C_4H_7NO_2 \cdot HBr$
Molecular Weight: 182.02

Test	Specification	Result
Appearance	White to beige powder or crystals	Off-white powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Titration)	98.5 - 101.5% (by $AgNO_3$)	99.7% (by $AgNO_3$)
Purity (TLC)	$\geq 99\%$	$> 99\%$
Solution (Color)	Colorless to yellow in H_2O (50 mg/ml)	Very faint yellow in H_2O (50 mg/ml)
Solution (Turbidity)	Clear in H_2O (50 mg/ml)	Complies
Optical Rotation	-22.0 - 18.0° (c = 1%, H_2O)	-20.9° (c = 1%, H_2O)

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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