



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-235465
Lot Number: SAMPLE
Product Name: L-Asparagine tert-butyl ester hydrochloride
CAS Number: 63094-81-5
Molecular Formula: $C_8H_{16}N_2O_3 \cdot HCl$
Molecular Weight: 224.69

Test	Specification	Result
Appearance		White Powder
Purity (TLC)		> 99%
Elemental Analysis		calc. as 1.03 HCl (15.43% Cl) 0.6 H ₂ O (4.6%)
Melting Point		114 °C
Solubility		Clear, colorless solution (50 mg/ml in methanol)
Optical Rotation ($\alpha_{24/D}$)		+11.8° (2%, in methanol)
Carbon Content	40.6%	40.3%
Chloride		15.4% (AgNO ₃ , Titration)
Hydrogen Content	7.8%	7.4%
Nitrogen Content	11.8%	11.9%
Water Content		4.0%

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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