



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-295344
Lot Number: SAMPLE
Product Name: L-Valine 4-nitroanilide hydrochloride
CAS Number: 77835-49-5
Molecular Formula: $C_{11}H_{15}N_3O_3 \cdot HCl$
Molecular Weight: 273.72

Test	Result
Appearance	Off-white powder
Purity (TLC)	> 99%
Solubility	Clear, colorless solution (50 mg/mL in 80% AcOH)
Optical Rotation ($\alpha_{24/D}$)	+63.6° (c = 1% in water)
Carbon Content	47.95%
Chloride	12.8% (titration by $AgNO_3$)
Hydrogen Content	5.89%
Nitrogen Content	14.83%
Water Content (KF)	0.5%

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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