



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-228398  
Lot Number: SAMPLE  
Product Name: L-Phenylalanine tert-butyl ester hydrochloride  
CAS Number: 15100-75-1  
Molecular Formula:  $C_{13}H_{19}NO_2 \cdot HCl$   
Molecular Weight: 257.76

Test	Result
Appearance	White crystalline powder
Identification (Infrared Spectrum)	Conforms to structure
Purity (Acid Titration)	101.2 %
Melting Point	202 - 211 °C
Specific Rotation ( $\alpha_{20/D}$ )	+43.5° (c = 2 % in ethanol)
Loss on Drying	0.5 %
Phenylalanine	< 1.0 % (Free) (TLC)

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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