



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-250225A
Lot Number: SAMPLE
Product Name: L-Proline methyl ester hydrochloride
CAS Number: 2133-40-6
Molecular Formula: $C_6H_{11}NO_2 \cdot HCl$
Molecular Weight: 165.62

Test	Specification	Result
Appearance	White powder or crystals or powder with chunk(s) or crystals with chunk(s)	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Argentometric Titration)	97.5 - 102.5 %	98.8 %
Purity (TLC)	98%	Complies
Solubility	Clear colorless at 50 mg/ml in water	Complies
Optical Rotation	$-32.0 \pm 2.0^\circ$ (C=1%, in water)	30.8° (C=1%, in water)

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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