



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-211186A
Lot Number: SAMPLE
Product Name: D-Serine Methyl Ester Hydrochloride
CAS Number: 5874-57-7
Molecular Formula: $C_4H_9NO_3 \cdot HCl$
Molecular Weight: 155.58

Test	Specification	Result
Appearance	White to almost white crystalline powder	Complies
Identification (FTIR)		Consistent with structure
Identification (1H -NMR)		Consistent with structure
Purity (HPLC)	$\geq 98\%$	99.6%
Melting Point	163 - 168 °C	165 - 168 °C
Optical Rotation	-2.5° - -4.5° (c = 4, ethanol)	-4.2°
Loss on Drying	$\leq 0.5\%$	0.3%

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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