

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 15:58:03
 Date of Next Testing: 2028-12-09 15:58:03
 Product Name: **D-Serine methyl ester hydrochloride**
 CAS Number: 5874-57-7
 Specifications & Purity: $\geq 98\%$
 Lot #: C2116168
 SKU #: **S101064**
 Version: **0**
 Analysis #: **446740**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in MeOH})$	-5.5--4.5 (°)	-5.20000 °
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.10000 %
Melting point	163-165 (°C)	163.10000 °C
Appearance (S101064)	white powder and/or chunks	white powder and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager