

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-07 11:14:02  
Date of Next Testing: 2030-01-06 11:14:02  
Product Name: **L-Serine methyl ester hydrochloride**  
CAS Number: 5680-80-8  
Specifications & Purity:  $\geq 98\%$   
Lot #: E1821120  
SKU #: **S109008**  
Version: **0**  
Analysis #: **634789**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^{\text{D}}$ (c=5 in MeOH)	2-5 ( $^{\circ}$ )	2.40 $^{\circ}$
Purity(Titration by $\text{AgNO}_3$ )	97.5-102.5 (%)	98.40 %
Melting point	160-165 ( $^{\circ}\text{C}$ )	162.39900 $^{\circ}\text{C}$
Appearance (S109008)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager