

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-19 16:32:36
 Date of Next Testing: 2028-08-18 16:32:36
 Product Name: **L-Serine methyl ester hydrochloride**
 CAS Number: 5680-80-8
 Specifications & Purity: $\geq 98\%$
 Lot #: H2416065
 SKU #: **S109008**
 Version: **0**
 Analysis #: **000347**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in MeOH})}$	2-5 ($^{\circ}$)	4.03200 $^{\circ}$
Purity(Titration by AgNO_3)	97.5-102.5 (%)	101.31000 %
Melting point	160-165 ($^{\circ}\text{C}$)	160.23000 $^{\circ}\text{C}$
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