

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-07 11:48:58
 Date of Next Testing: 2026-04-06 11:48:58
 Product Name: **L-Serine methyl ester hydrochloride**
 CAS Number: 5680-80-8
 Specifications & Purity: $\geq 98\%$
 Lot #: E1821121
 SKU #: **S109008**
 Version: **0**
 Analysis #: **086270**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in MeOH})}$	2-5 ($^{\circ}$)	2.20000 $^{\circ}$
Purity(Titration by AgNO_3)	97.5-102.5 (%)	97.60000 %
Melting point	160-165 ($^{\circ}\text{C}$)	160.60000 $^{\circ}\text{C}$
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