

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-09 17:18:53

Date of Next Testing: 2026-10-08 17:18:53

Product Name: **L-Serine methyl ester hydrochloride**

CAS Number: 5680-80-8

Specifications & Purity: $\geq 98\%$

Lot #: I2228218

SKU #: **S109008**

Version: **0**

Analysis #: **141687**

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 ($^{\circ}$ C)	160.23000 $^{\circ}$ 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