

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-16 09:42:51
 Date of Next Testing: 2027-02-15 09:42:51
 Product Name: **L-Methionine Methyl Ester Hydrochloride**
 CAS Number: 2491-18-1
 Specifications & Purity: $\geq 98\%$
 Lot #: B23091002
 SKU #: **M109222**
 Version: **1**
 Analysis #: **169594**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } \text{H}_2\text{O})}$	24-28 ($^{\circ}$)	24.04000 $^{\circ}$
Purity(Titration by AgNO_3)	97.5-102.5 (%)	99.66000 %
Melting point	150-155 ($^{\circ}\text{C}$)	154.89000 $^{\circ}\text{C}$
Appearance (M109222)	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