

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-05 16:43:46

Date of Next Testing: 2028-12-04 16:43:46

Product Name: **DL-Methionine**

CAS Number: 59-51-8

Specifications & Purity: $\geq 99\%$

Lot #: L2403411

SKU #: **M104886**

Version: **1**

Analysis #: **377025**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.91000 %
Nitrogen by Elemental Analysis	9.1-9.7 (%)	9.27100 %
Carbon by Elemental Analysis	39.8-40.6 (%)	39.83900 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2N \text{ HCl})$	-2~2 (°)	-1.10000 °
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (M104886)	White Powder, Crystals, Flakes, or chips	White Powder, Crystals, Flakes, or chips
Solubility in H ₂ O , Colorless, Clear, 50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager