

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-17 14:09:00
 Date of Next Testing: 2029-07-16 14:09:00
 Product Name: **DL-Methionine**
 CAS Number: 59-51-8
 Specifications & Purity: $\geq 99\%$
 Lot #: G2512050
 SKU #: **M104886**
 Version: **1**
 Analysis #: **473241**
 Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	9.1-9.7 (%)	9.44100 %
Carbon by Elemental Analysis	39.8-40.6 (%)	40.21600 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.28000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2N \text{ HCl})$	-2~2 (°)	-0.06600 °
Appearance (M104886)	White Powder, Crystals, Flakes, or chips	White Powder, Crystals, Flakes, or chips
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless, Clear, 50 mg/ml H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager