

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-29 12:09:30
Date of Next Testing: 2028-10-28 12:09:30
Product Name: **DL-Methionine**
CAS Number: 59-51-8
Specifications & Purity: $\geq 99\%$
Lot #: J2425543
SKU #: **M104886**
Version: **1**
Analysis #: **419071**
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	9.1-9.7 (%)	9.43%
Carbon by Elemental Analysis	39.8-40.6 (%)	40.22%
Purity(Nonaqueous Titration)	98.5-101.5 (%)	101.23%
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2N \text{ HCl})$	-2~2 (°)	0.34600°
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