

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-17 11:30:32
Date of Next Testing: 2029-12-16 11:30:32
Product Name: **DL-Methionine**
CAS Number: 59-51-8
Specifications & Purity: $\geq 99\%$
Lot #: L2515588
SKU #: **M104886**
Version: **1**
Analysis #: **608678**
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	9.1-9.7 (%)	9.42 %
Carbon by Elemental Analysis	39.8-40.6 (%)	40.13 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.68 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2N \text{ HCl})$	-2~2 (°)	0.19400°
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (M104886)	White to Off-White Solid	White to off-white solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager