

Certificate of Analysis

Date of Testing: 2024-07-02 15:28:12
Date of Next Testing: 2028-07-01 15:28:12
Product Name: **DL-Methionine**
CAS Number: 59-51-8
Specifications & Purity: $\geq 99\%$
Lot #: F2429285
SKU #: **M104886**
Version: **1**
Analysis #: **365224**
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98.5-101.5 (%)	101.25 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2N \text{ HCl})$	-2~2 (°)	0.19700 °
Nitrogen by Elemental Analysis	9.1-9.7 (%)	9.68 %
Carbon by Elemental Analysis	39.8-40.6 (%)	40.58 %
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager