

Certificate of Analysis

Date of Testing: 2024-10-12 10:24:49

Date of Next Testing: 2026-10-02 10:24:49

Product Name: **S-Methyl-L-cysteine**

CAS Number: 1187-84-4

Specifications & Purity: $\geq 98\%$, substrate for methionine sulfoxide reductase

Lot #: J2409008

SKU #: **M116973**

Version: **0**

Analysis #: **418990**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	34.8-36.3 (%)	35.29 %
Nitrogen	10-10.8 (%)	10.01 %
Purity(Nonaqueous Titration)	98-100 (%)	98.24 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-33--26 (°)	-30.81 °
Appearance (M116973)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless, clear to lightly hazy (50 mg/ml of H ₂ O)	pass	Pass



John Su
QA & QC Manager