

## Certificate of Analysis

Date of Testing: 2023-08-04 08:54:31  
Date of Next Testing: 2025-07-24 08:54:31  
Product Name: **S-Methyl-L-cysteine**  
CAS Number: 1187-84-4  
Specifications & Purity: 98%, substrate for methionine sulfoxide reductase  
Lot #: K2112211  
SKU #: **M116973**  
**Analysis:** **259408**  
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 [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> 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 <sub>2</sub> O) | pass                                     | Pass                                     |



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