

## Certificate of Analysis

Date of Testing: 2022-08-25 10:28:14  
Date of Next Testing: 2026-08-24 10:28:14  
Product Name: **Mercaptosuccinic acid**  
CAS Number: 70-49-5  
Specifications & Purity: 98%  
Lot #: H2211420  
SKU #: **M109507**  
Analysis: **115593**

| Parameter                                                                        | Limit Values                            | Result                                  |
|----------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity (Titration by NaOH)                                                       | 97.5-102.5 (%)                          | 99.60%                                  |
| Melting point                                                                    | 152-155 (°C)                            | 154.50000 °C                            |
| Proton NMR spectrum                                                              | Conforms to Structure                   | Conforms to Structure                   |
| Appearance (M109507)                                                             | White to Light yellow powder to crystal | White to Light yellow powder to crystal |
| Solubility in H <sub>2</sub> O , colorless to faint yellow clear to hazy,50mg/ml | pass                                    | Pass                                    |



John Su  
QA & QC Manager