

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-22 14:31:01  
Date of Next Testing: 2026-12-21 14:31:01  
Product Name: **3-Mercaptopropionic acid**  
CAS Number: 107-96-0  
Specifications & Purity: 99%,for biochemical analysis  
Lot #: L2214362  
SKU #: **M103036**  
Version: **1**  
Analysis #: **171343**  
Storage Temperature: Room temperature,Argon charged

| Parameter                           | Limit Values                                                                              | Result                                                                                    |
|-------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Refractive index n <sub>20</sub> /D | 1.49-1.494                                                                                | 1.49                                                                                      |
| Density (25°C)                      | 1.222-1.225                                                                               | 1.22                                                                                      |
| Purity(GC)                          | 99-100 (%)                                                                                | 99.00%                                                                                    |
| Purity (Titration by NaOH)          | 98.5-101.5 (%)                                                                            | 99.38%                                                                                    |
| Appearance (M103036)                | White or Colorless to Almost white or Almost colorless to Yellow powder to lump to liquid | White or Colorless to Almost white or Almost colorless to Yellow powder to lump to liquid |
| NMR Spectrum 1H                     | Conforms to Structure                                                                     | Conforms to Structure                                                                     |



John Su  
QA & QC Manager