

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-18 11:21:40  
 Date of Next Testing: 2027-05-17 11:21:40  
 Product Name: **DL-N-Acetylhomocysteine thiolactone**  
 CAS Number: 17896-21-8  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: E2311100  
 SKU #: **A108031**  
 Version: **1**  
 Analysis #: **075550**  
 Storage Temperature: Room temperature

| Parameter                                 | Limit Values                          | Result                                |
|-------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(HPLC)                              | 99-100 (%)                            | 99.82000 %                            |
| Melting point                             | 108-113 (°C)                          | 111.20000 °C                          |
| Heavy metal (as Pb)                       | 0-20 (ppm)                            | 2.45000 ppm                           |
| Sulfate Ash                               | 0-0.1 (%)                             | 0.06000 %                             |
| Loss on drying                            | 0-0.5 (%)                             | 0.25000 %                             |
| Appearance (A108031)                      | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                         | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , 50 mg/ml | pass                                  | Pass                                  |
| Proton NMR spectrum                       | Conforms to structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager