

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-07 14:20:39  
 Date of Next Testing: 2029-03-06 14:20:39  
 Product Name: **DL-Homocysteine thiolactone hydrochloride**  
 CAS Number: 6038-19-3  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2528423  
 SKU #: **H108030**  
 Version: **2**  
 Analysis #: **464458**  
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                                     | Limit Values                            | Result                                  |
|---------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Melting point                                                 | 198-208 (°C)                            | 205.35000 °C                            |
| Specific rotation $[\alpha]_{20/D}(C=2.5, 5\text{mol/L HCl})$ | -2~2 (°)                                | 0.10400 °                               |
| Purity (Argentmetric Titration)                               | 98-100 (%)                              | 99.01000 %                              |
| Appearance (H108030)                                          | white to grey powder or crystals        | white to grey powder or crystals        |
| Solubility in 5M HCl, 100mg/ml                                | Colorless to Light Brown, Clear to Hazy | Colorless to Light Brown, Clear to Hazy |
| Proton NMR spectrum                                           | Conforms to structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager