

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-11 18:08:17  
 Date of Next Testing: 2030-03-10 18:08:17  
 Product Name: **DL-Cysteine**  
 CAS Number: 3374-22-9  
 Specifications & Purity: Moligand™, ≥97%  
 Lot #: C2610598  
 SKU #: **C110437**  
 Version: **1**  
 Analysis #: **653609**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                       | Limit Values                            | Result                                  |
|-----------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(HPLC)                                                    | 97-100 (%)                              | 99.63100 %                              |
| Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O) | -2~2 (°)                                | 1.59700 °                               |
| Appearance (C110437)                                            | White or light yellow powder or crystal | White or light yellow powder or crystal |
| Proton NMR spectrum                                             | Conforms to Structure                   | Conforms to Structure                   |
| Solubility in 1 N HCl, 25 mg/mL                                 | Colorless to Faint Yellow, Clear        | Colorless to Faint Yellow, Clear        |
| LC-MS for identification                                        | Conforms                                | Conforms                                |



John Su  
 QA & QC Manager