

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-12 13:47:55

Date of Next Testing: 2027-11-12 13:47:55

Product Name: **Seleno-L-cystine**

CAS Number: 29621-88-3

Specifications & Purity:  $\geq 95\%$

Lot #: K2407604

SKU #: **S169355**

Version: **8**

Analysis #: **426821**

Storage Temperature: Store at 2-8°C

| Parameter                                                        | Limit Values                                             | Result                                                   |
|------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity(HPLC)                                                     | 95-100 (%)                                               | 99.01400 %                                               |
| Water by Karl Fischer                                            | 0-2 (%)                                                  | 0.22860 %                                                |
| Carbon by Elemental Analysis                                     | 20.3-22.7 (%)                                            | 21.70600 %                                               |
| Nitrogen by Elemental Analysis                                   | 7.9-8.8 (%)                                              | 8.42100 %                                                |
| specific rotation<br>[ $\alpha$ ] <sub>20/D</sub> (c=1%,1N NaOH) | 31 ~ -25 (°)                                             | -28.60900 °                                              |
| Proton NMR spectrum                                              | Conforms to Structure                                    | Conforms to Structure                                    |
| Appearance(S169355)                                              | White to Yellow to Brown to Orange<br>Powder to Crystals | White to Yellow to Brown to Orange<br>Powder to Crystals |



John Su  
QA & QC Manager