

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-04 10:23:07

Date of Next Testing: 2028-07-03 10:23:07

Product Name: **L-Homocystine**

CAS Number: 626-72-2

Specifications & Purity:  $\geq 98\%$

Lot #: I2025256

SKU # **H115883**

Version **0**

**Analysis #:** **380423**

Storage Temperature: Room temperature

| Parameter                                                           | Limit Values              | Result                    |
|---------------------------------------------------------------------|---------------------------|---------------------------|
| Nitrogen by Elemental Analysis                                      | 10.2-10.7 (%)             | 10.40000 %                |
| Carbon by Elemental Analysis                                        | 35.1-36.5 (%)             | 35.30000 %                |
| Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1M \text{ HCl})$ | 67-77 (°)                 | 72.30000 °                |
| Purity(HPLC)                                                        | 98-100 (%)                | 99.80000 %                |
| Appearance (H115883)                                                | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                                                   | Conforms to Structure     | Conforms to Structure     |
| Proton NMR spectrum                                                 | Conforms to Structure     | Conforms to Structure     |
| Solubility in 1N HCl                                                | pass                      | Pass                      |



John Su  
QA & QC Manager