

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-24 14:10:13

Date of Next Testing: 2024-10-23 14:10:13

Product Name: **D-Homocystine**

CAS Number: 6027-15-2

Specifications & Purity: $\geq 98\%$

Lot #: A2113011

SKU #: **D133938**

Version: **0**

Analysis #: **147801**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D(c=1 \text{ in } 1M \text{ HCl})}$	-67 ~ -77 (°)	-71.05000 °
Purity(Titration by $HClO_4$)	97.5-102.5 (%)	99.57600 %
Nitrogen by Elemental Analysis	10.1-10.7 (%)	10.42000 %
Carbon by Elemental Analysis	34.9-36.7 (%)	35.58000 %
Water by Karl Fischer	0-5 (%)	3.22400 %
Appearance (D133938)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 N HCl , 50mg/ml, Clear Colorless To Faint Yellow Solution	Clear Colorless To Faint Yellow Solution	Clear Colorless To Faint Yellow Solution



John Su
QA & QC Manager