

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-17 09:30:53

Date of Next Testing: 2024-12-16 09:30:53

Product Name: **D-Homocystine**

CAS Number: 6027-15-2

Specifications & Purity: $\geq 98\%$

Lot #: L2208329

SKU #: **D133938**

Version: **0**

Analysis #: **144413**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D(c=1 \text{ in } 1M \text{ HCl})}$	-67 ~ -77 (°)	-71.63200 °
Purity(Titration by $HClO_4$)	97.5-102.5 (%)	100.05000 %
Nitrogen by Elemental Analysis	10.1-10.7 (%)	10.46400 %
Carbon by Elemental Analysis	34.9-36.7 (%)	35.21200 %
Water by Karl Fischer	0-5 (%)	0.29910 %
Appearance (D133938)	White to Off-White Powder	White to Off-White Powder
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager