

Certificate of Analysis

Date of Testing: 2025-03-06 17:44:45
Date of Next Testing: 2027-03-06 17:44:45
Product Name: **D-Homocystine**
CAS Number: 6027-15-2
Specifications & Purity: $\geq 98\%$
Lot #: C2505747
SKU #: **D133938**
Version: **0**
Analysis #: **482941**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\text{M HCl})$	-77--67 (°)	-71.22 °
Purity(Titration by HClO_4)	97.5-102.5 (%)	99.58 %
Nitrogen by Elemental Analysis	10.1-10.7 (%)	10.13 %
Carbon by Elemental Analysis	34.9-36.7 (%)	35.80 %
Water by Karl Fischer	0-5 (%)	0.95 %
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