

Certificate of Analysis

Date of Testing: 2023-02-27 11:12:30

Date of Next Testing: 2027-02-26 11:12:30

Product Name: **L-Penicillamine**

CAS Number: 1113-41-3

Specifications & Purity: >98.0%(T)

Lot #: B2318763

SKU #: **S161218**

Analysis: **146087**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	97.5-102.5 (%)	98.06 %
Specific Rotation [α] _{20/D} (c=1 in 1mol/L NaOH)	61-65 (°)	64.36 °
Appearance (S161218)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager