

Certificate of Analysis

Date of Testing: 2022-07-23 00:13:49

Date of Next Testing: 2026-07-22 00:13:49

Product Name: **L-Penicillamine**

CAS Number: 1113-41-3

Specifications & Purity: >98.0%(T)

Lot #: G2220911

SKU #: **S161218**

Analysis: **094301**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in 1mol/L NaOH)	61-65 (°)	61.37°
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.48 %
Appearance (S161218)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager