

Certificate of Analysis

Date of Testing: 2023-08-14 17:22:31

Date of Next Testing: 2027-08-13 17:22:31

Product Name: **D-Penicillamine**

CAS Number: 52-67-5

Specifications & Purity: Moligand™, ≥98%(T)

Lot #: H2310637

SKU #: **P115952**

Version: **1**

Analysis #: **257369**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
UV Absorbance 268nm (c=0.2, H ₂ O)	0-0.07	0.01
Purity(Titration)	98-102 (%)	99.39 %
Sulfate Ash	0-0.1 (%)	0.03 %
Heavy metal (as Pb)	0-20 (ppm)	1.52 ppm
Loss on drying	0-0.5 (%)	0.12 %
Specific Rotation [α] ₂₀ /D(c=5 in 1 M NaOH)	-65--61 (°)	-61.23 °
Appearance (P115952)	White to pale cream powder or solid	White to pale cream powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager