

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-10 15:35:58
 Date of Next Testing: 2026-03-09 15:35:58
 Product Name: **D-Penicillamine**
 CAS Number: 52-67-5
 Specifications & Purity: Moligand™, ≥98%(T)
 Lot #: C2208332
 SKU #: **P115952**
 Version: **1**
 Analysis #: **073868**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
UV Absorbance 268nm (c=0.2, H ₂ O)	0-0.07	0.03500
Specific Rotation [α] ₂₀ /D(c=5 in 1 M NaOH)	-65--61 (°)	-61.34700 °
Purity(Titration)	98-102 (%)	98.94000 %
Sulfate Ash	0-0.1 (%)	0.02800 %
Heavy metal (as Pb)	0-20 (ppm)	8.15000 ppm
Loss on drying	0-0.5 (%)	0.31000 %
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