

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-06 16:29:50

Date of Next Testing: 2029-05-05 16:29:50

Product Name: **D-Penicillamine**

CAS Number: 52-67-5

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

Lot #: D2529222

SKU #: **P115952**

Version: **1**

Analysis #: **500152**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
UV Absorbance 268nm (c=0.2, H2O)	0-0.07	0.01250
Purity(Titration)	98-102 (%)	99.37000 %
Sulfate Ash	0-0.1 (%)	0.02500 %
Heavy metal (as Pb)	0-20 (ppm)	0.54800 ppm
Loss on drying	0-0.5 (%)	0.10600 %
Specific Rotation [α] ₂₀ /D(c=5 in 1 M NaOH)	-65--61 (°)	-62.27800 °
Appearance (P115952)	White to pale cream powder or solid	White to pale cream powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager