

Certificate of Analysis

Date of Testing: 2024-12-21 15:48:53
Date of Next Testing: 2028-12-20 15:48:53
Product Name: **D-Penicillamine**
CAS Number: 52-67-5
Specifications & Purity: Moligand™, ≥98%(T)
Lot #: L2420092
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