

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-08 13:28:40

Date of Next Testing: 2029-02-07 13:28:40

Product Name: **Penicillic acid**

CAS Number: 90-65-3

Specifications & Purity: Moligand™, ≥98%

Lot #: B2506458

SKU #: **P137904**

Version: **0**

Analysis #: **454820**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.10600 %
Purity(TLC, ETOAc: Toluene: HCOOH 6 : 3 : 1)	99-100 (%)	99.10000 %
Melting point	83-87 (°C)	83.20000 °C
Water by Karl Fischer	0-2 (%)	1.95000 %
Carbon by Elemental Analysis	54.9-56.9 (%)	55.20000 %
Purity(TLC, RP C18, MeOH : H2O 9 : 1)	99-100 (%)	99.10000 %
Appearance (P137904)	White or light yellow powder	White or light yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CH ₂ CL ₂ , Colorless, Clear, 10mg/ml	pass	Pass
Solubility in H ₂ O , Colorless, Clear, 4.90 - 5.10 mg/ml	pass	Pass



John Su
QA & QC Manager