

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-22 19:59:43

Date of Next Testing: 2026-09-21 19:59:43

Product Name: **Penicillin G potassium salt**

CAS Number: 113-98-4

Specifications & Purity: $\geq 98\%$

Lot #: I2208461

SKU # **P102194**

Version **1**

Analysis #: **138977**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	285-295 (°)	290.82900 °
Loss on drying	0-1.5 (%)	1.20000 %
Purity(HPLC)	98-100 (%)	98.49500 %
λ : 280 nm Amax	0-0.1	0.03600
λ : 264 nm Amax	0-0.85	0.29000
potency	1440-1680 (U/mg)	1560.00000 U/mg
Appearance (P102194)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager