

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-22 11:42:54

Date of Next Testing: 2027-05-21 11:42:54

Product Name: **Penicillin G potassium salt**

CAS Number: 113-98-4

Specifications & Purity: $\geq 98\%$

Lot #: E2310995

SKU #: **P102194**

Version: **1**

Analysis #: **151175**

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

Parameter	Limit Values	Result
Loss on drying	0-1.5 (%)	0.59000 %
λ : 280 nm Amax	0-0.1	0.05000
λ : 264 nm Amax	0-0.85	0.44000
potency	1440-1680 (U/mg)	1598.00000 U/mg
Purity(HPLC)	98-100 (%)	98.37400 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in H}_2\text{O})}$	285-295 (°)	286.10000 °
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