

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-13 13:53:09  
Date of Next Testing: 2028-11-12 13:53:09  
Product Name: **Penicillin G potassium salt**  
CAS Number: 113-98-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2104062  
SKU #: **P102194**  
Version: **1**  
Analysis #: **435826**  
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 (°)	290.80000 °
Loss on drying	0-1.5 (%)	1.10000 %
Purity(HPLC)	98-100 (%)	98.40000 %
$\lambda$ : 280 nm Amax	0-0.1	0.03000
$\lambda$ : 264 nm Amax	0-0.85	0.20000
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