

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-23 17:07:11  
Date of Next Testing: 2029-06-22 17:07:11  
Product Name: **Penicillin G potassium salt**  
CAS Number: 113-98-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2517061  
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 %
$\lambda$ : 280 nm Amax	0-0.1	0.05000
$\lambda$ : 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