

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-23 17:00:43
 Date of Next Testing: 2028-08-22 17:00:43
 Product Name: **Penicillin G potassium salt**
 CAS Number: 113-98-4
 Specifications & Purity: $\geq 98\%$
 Lot #: H2415272
 SKU #: **P102194**
 Version: **1**
 Analysis #: **343881**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.60000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	285-295 (°)	286.00000 °
Loss on drying	0-1.5 (%)	1.20000 %
λ : 280 nm Amax	0-0.1	0.05000
λ : 264 nm Amax	0-0.85	0.65000
potency	1440-1680 (U/mg)	1450.00000 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