

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-20 15:52:36  
 Date of Next Testing: 2026-11-19 15:52:36  
 Product Name: **Penicillin G potassium salt**  
 CAS Number: 113-98-4  
 Specifications & Purity: BioReagent, for cell culture, powder  
 Lot #: K2316282  
 SKU #: **P431514**  
 Version: **2**  
 Analysis #: **292113**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                | Limit Values                          | Result                                |
|--------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| pH(6% H <sub>2</sub> O, 25°C)                                            | 5.0-7.5                               | 6.00000                               |
| Loss on drying                                                           | 0-1.5 (%)                             | 0.00000 %                             |
| Specific Rotation [ $\alpha$ ] <sub>20/D</sub> (c=1 in H <sub>2</sub> O) | 270-300 (°)                           | 275.49800 °                           |
| potency                                                                  | 1440-1680 (U/mg)                      | 1592.00000 U/mg                       |
| Appearance(P431514)                                                      | White to Off-White Crystalline powder | white to off-white crystalline powder |
| Infrared spectrum                                                        | Conforms to Structure                 | Conforms to Structure                 |
| Cell Culture Test                                                        | pass                                  | Pass                                  |



John Su  
QA & QC Manager