

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-16 15:44:29  
Date of Next Testing: 2028-12-15 15:44:29  
Product Name: **Penicillin G sodium salt**  
CAS Number: 69-57-8  
Specifications & Purity: Moligand™, ≥96%  
Lot #: C2309669  
SKU #: **P433334**  
Version: **1**  
Analysis #: **622472**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)(dry basis)	96-100 (%)	96.75 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)(calcd.on anh.substance)	285-310 (°)	292.47 °
Drying loss	0-1 (%)	0.11800 %
Appearance(P433334)	White to Almost white powder to crystal	White to Almost white powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager