

Certificate of Analysis

Date of Testing: 2024-07-31 11:00:34

Date of Next Testing: 2027-07-31 11:00:34

Product Name: **Penicillin G sodium salt**

CAS Number: 69-57-8

Specifications & Purity: $\geq 96\%$

Lot #: G2423015

SKU #: **P433334**

Version: **1**

Analysis #: **188716**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)(dry basis)	96-100 (%)	96.75 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	285-310 (°)	292.47 °
Drying loss	0-1 (%)	0.12000 %
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