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Certificate of Analysis

Product Description: Penicillin G Sodium Salt
Catalog Number: 100548
Lot: QR15724**Formula:** $C_{16}H_{17}N_2O_4Na$
CAS #: 69-57-8
Physical Description: White Powder**Formula Weight:** 356.40
Storage: 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Potency	$\geq 1,500$ u/mg	1660 u/mg (as dry subs.)
Expiration Date	Month/Day/Year	06/19/2020

Acidity (pH): 6.5
Specific optical rotation: +100°
A264 nm: 0.82
A280nm: 0.01
A325 nm: 0.01
Related substance: 0.03%
2-Ethylhexanoic acid: Not detected
Loss on drying: 0.1%
Sterility: Conform
Bacterial Endotoxins: ≤ 0.161 u/mg
Assay (as dry substance): 99.4%



06/21/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)