



Certificate of Analysis

Penicillin G Sodium Salt BP

Catalog Number: PG1006
Lot Number: 1129701
CAS Number: 69-57-8
Molecular Formula: $C_{16}H_{17}N_2NaO_4S$
Molecular Weight: 356.37
Storage: 15°C – 30°C
Date of Manufacture: October 14, 2017
Retest Date: October 13, 2019

Test	Specification	Result
Appearance	White to almost white crystalline powder	Conforms
Potency	1500 – 1750U/mg	1576U/mg
Identification	To meet requirements	Conforms
Optical Rotation	+285° to +310°	+297°
Solubility	Soluble in water, insoluble in fatty oils	Conforms
pH	5.0 – 7.5	6.4
Absorbance		
280nm	≤ 0.1%	0.02%
264nm	0.80 – 0.88%	0.85%
325nm	≤ 0.1%	0.02%
Moisture (LOD)	≤ 1.0%	0.11%
2-Ethylhexanoic Acid	≤ 0.5%	Not detected
Related Substances	To meet requirements	Conforms
Bacterial Endotoxins	≤ 0.16IU/mg	< 0.16IU/mg
This lot meets the specifications for the BP2009 standard.		

Approved by:

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Date: November 29, 2017