



Specification

Penicillin G Sodium Salt BP

Catalog Number: PG1006
CAS Number: 69-57-8
Molecular Formula: $C_{16}H_{17}N_2NaO_4S$
Molecular Weight: 356.37
Storage: 15°C – 30°C
Retest Period: Two years from the date of manufacture

Test	Specification
Appearance	White to almost white crystalline powder
Potency	1500 – 1750U/mg
Identification	To meet requirements
Optical Rotation	+285° to +310°
Solubility	Soluble in water, insoluble in fatty oils
pH	5.0 – 7.5
Absorbance 280nm 264nm 325nm	≤ 0.1% 0.80 – 0.88% ≤ 0.1%
Moisture (LOD)	≤ 1.0%
2-Ethylhexanoic Acid	≤ 0.5%
Related Substances	To meet requirements
Bacterial Endotoxins	≤ 0.16IU/mg
All lots meet the specifications for the BP2009 standard.	

Approved:

Date: September 12, 2018

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