

Certificate of Analysis

Product Name		Penicillin G sodium salt	
Batch No.	J20171118	Quantity	15kg
MFG. Date	Nov,18,2017	EXP. Date	Nov,17,2019
CAS No.	69-57-8	Specs	BP2009
ITEMS		SPECIFICATION	RESULTS
Appearance		White or almost white, crystalline powder	Conforms
Solubility		Very soluble in water, practically insoluble in fatty oils and in liquid paraffin	Conforms
Identification		Conforms	Conforms
Absorbance	At 280nm	≤0.1%	0.02
	At 264nm	0.8% ~ 0.88%	0.83
	At 325nm	≤0.1%	0.02%
PH		5.0 ~ 7.5	6.2
Specific optical rotation		+285° ~ +310°	+297°
Loss on drying		≤1.0%	0.11%
2-Ethylhexanoic acid		≤0.5%	Non
Bacterial endotoxins		<0.16 IU/mg	Conforms
Related substances		Conforms	Conforms
Assay		96%~101%	98.82%
Conclusion		Up to the BP2009 Standard	
Remarks			
Storage		Store in cool place. Keep container tightly closed in a dry and well-ventilated place.	

Quality Control Dept: Analyst:



Inspector: