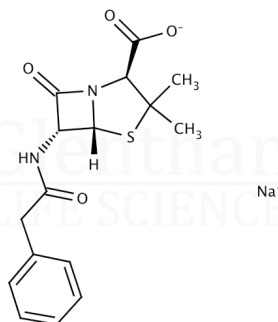


Certificate of Analysis

Product Name Penicillin G sodium salt
Glentham Code GA9328
CAS Number 69-57-8
EINECS 200-710-2
Numéro MDL MFCD00069666
CAS supplémentaire 61-33-6 (free acid)
PubChem SID 310278565
Batch Number 628XXQ

Molecular Weight 356.37
Molecular Formula $C_{16}H_{17}N_2NaO_4S$
Storage Temp. +4°C



Property	Specification	Batch 628XXQ
Physical Description	White to off-white crystalline powder	White crystalline powder
Assay	96.0 - 102.0 % (anhydrous)	100.0%
Solubility	Very soluble in water, practically insoluble in fatty oils and in liquid paraffin	Conforms
Identification	A, B, C, D	Conforms
pH	5.5 - 7.5 (2g/20ml in water)	7.1
Specific Optical Rotation	+285 - +310 ° (anhydrous)	+307°
Absorbance	264nm: 0.80 - 0.88	Conforms
	280nm: ≤ 0.10	Conforms
	325nm: ≤ 0.10	Conforms
Individual Impurity	≤ 1.0%	Conforms
2-Ethylhexanoic acid	≤ 0.5%	Conforms
Loss on Drying	≤ 1.0%	0.13%
Bacterial Endotoxins	≤ 0.16IU/mg	Conforms
Pharmacopoeia Specification(s)	BP	Conforms
Potency	≥ 1645IU/mg (dried basis)	1670IU/mg

Specification Version v1.0
Manufacture Date 2024-05-23
Re-Test Date 2031-09-12

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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