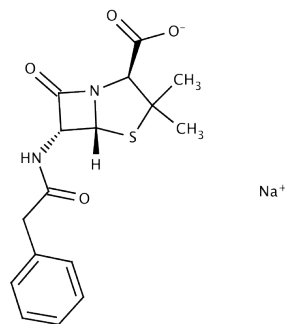


Product Specification

Product Name	Penicillin G sodium salt
Glentham Code	GA9328
CAS Number	69-57-8
EINECS	200-710-2
MDL Number	MFCD00069666
Additional CAS	61-33-6 (free acid)
PubChem SID	310278565
Molecular Weight	356.37
Molecular Formula	C ₁₆ H ₁₇ N ₂ NaO ₄ S
Storage Temp.	+4°C



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

Specification Version	-	v1.0
Date Created	-	2013-10-10

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2021