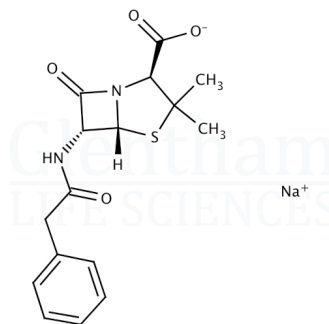


## Product Specification

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	$C_{16}H_{17}N_2NaO_4S$
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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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