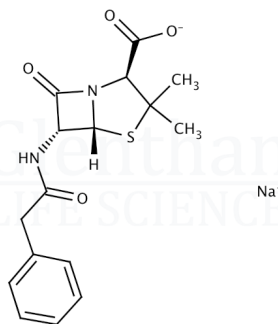


Certificate of Analysis

Product Name	Penicillin G sodium salt
Glentham Code	GA9328
CAS Number	69-57-8
EINECS	200-710-2
MDL-Nummer	MFCD00069666
Zusätzliche CAS	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	Entspricht
Identification	A, B, C, D	Entspricht
pH	5.5 - 7.5 (2g/20ml in water)	7.1
Specific Optical Rotation	+285 - +310 ° (anhydrous)	+307°
Absorbance	264nm: 0.80 - 0.88	Entspricht
	280nm: ≤ 0.10	Entspricht
	325nm: ≤ 0.10	Entspricht
Individual Impurity	≤ 1.0%	Entspricht
2-Ethylhexanoic acid	≤ 0.5%	Entspricht
Loss on Drying	≤ 1.0%	0.13%
Bacterial Endotoxins	≤ 0.16IU/mg	Entspricht
Pharmacopoeia Specification(s)	BP	Entspricht
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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