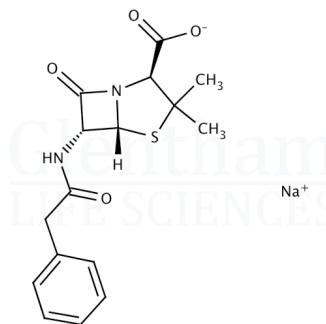


Certificate of Analysis

Product Name	Penicillin G sodium salt, USP grade
Glentham Code	GP5843
CAS Number	69-57-8
EINECS	200-710-2
MDL Number	MFCD00069666
Additional CAS	61-33-6 (free acid)
Batch Number	900GEQ
Molecular Weight	356.37
Molecular Formula	$C_{16}H_{17}N_2NaO_4S$
Storage Temp.	+4°C



Property	Specification	Batch 900GEQ
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification	IR	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation	+285 - +310 °	+299.0°
Loss on Drying	≤ 1.0%	0.3%
Assay	96.0 - 102.0 %	99.4%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-10-30
Re-Test Date	2029-04-10

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.

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