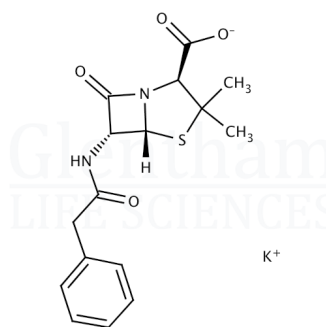


Certificate of Analysis

Product Name	Penicillin G potassium salt, USP grade
Glentham Code	GP8489
CAS Number	113-98-4
EINECS	204-038-0
MDL Number	MFCD00036193
Additional CAS	61-33-6 (free acid)
Batch Number	985MDN
Molecular Weight	372.48
Molecular Formula	$C_{16}H_{17}KN_2O_4S$
Storage Temp.	+4°C



Property	Specification	Batch 985MDN
Physical Description	White to almost white powder	White powder
Identification (IR)	To conform to standard	Conforms
Identification	Flame test for potassium: to pass	Conforms
Crystallinity	To pass test	Conforms
pH (6% in water)	5.0 - 7.5	7.0
Loss on Drying	≤ 1.5% (vac., 60°C, 3h)	0.06%
Bacterial Endotoxins	≤ 0.16IU/mg	≤ 0.16IU/mg
Potency	1440 - 1680 U/mg (C ₁₆ H ₁₇ N ₂ O ₄ S)	1603U/mg
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.0
Manufacture Date	2022-05-04
Re-Test Date	2027-06-13

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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