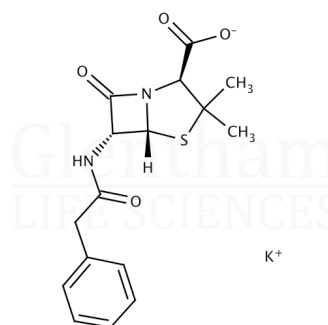


Product Specification

Product Name	Penicillin G potassium salt, USP grade
Glentham Code	GP8489
CAS Number	113-98-4
EINECS	204-038-0
MDL-Nummer	MFCD00036193
Zusätzliche CAS	61-33-6 (free acid)

Molecular Weight	372.48
Molecular Formula	$C_{16}H_{17}KN_2O_4S$
Storage Temp.	+4°C



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

Specification Version	- v1.0
Date Created	- 2021-01-28

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, 2025