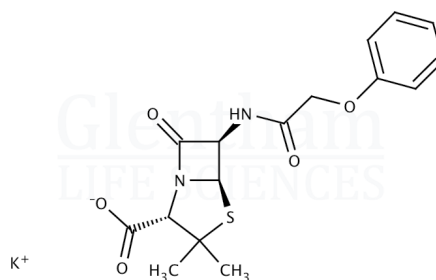


## Product Specification

Product Name	Penicillin V potassium salt, BP grade
Glentham Code	GP8344
CAS Number	132-98-9
EINECS	205-086-5
MDL Number	MFCD00051771
Additional CAS	87-08-1
Molecular Weight	388.48
Molecular Formula	$C_{16}H_{17}KN_2O_5S$
Storage Temp.	+4°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	(Test A) To conform to standard
Identification (TLC)	(Test B) To pass test
Identification	To pass tests C, D
pH (0.5% in water)	5.5 - 7.5
Specific Optical Rotation	+215 - +230 ° (c=1, water, anhydrous substance)
Impurity E	≤ 1.0%
Impurity F	≤ 1.0%
Impurity B	≤ 0.3%
Any Other Individual Impurity	≤ 0.15%
Total Impurities	≤ 3.0% (exc. D)
4-Hydroxyphenoxymethylpenicillin potassium	≤ 4.0% (anhydrous substance)
Water	≤ 1.0%
Assay	95.0 - 102.0 % (anhydrous substance)
Pharmacopoeia Specification(s)	BP

Specification Version	- v1.0
Date Created	- 2023-04-04

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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