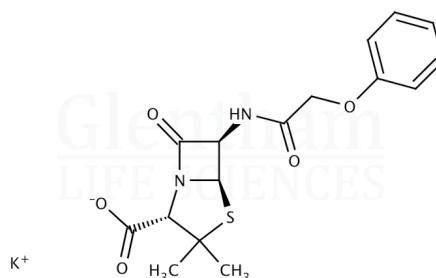


## Certificate of Analysis

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
Batch Number	362NCT
Molecular Weight	388.48
Molecular Formula	$C_{16}H_{17}KN_2O_5S$
Storage Temp.	+4°C



Property	Specification	Batch 362NCT
Physical Description	White or almost white crystalline powder	Almost white crystalline powder
Identification (IR)	(Test A) To conform to standard	Conforms
Identification (TLC)	(Test B) To pass test	Conforms
Identification	To pass tests C, D	Conforms
pH (0.5% in water)	5.5 - 7.5	7.1
Specific Optical Rotation	+215 - +230 ° (c=1, water, anhydrous substance)	+225°
Impurity E	≤ 1.0%	≤ 0.1%
Impurity F	≤ 1.0%	0.0%
Impurity B	≤ 0.3%	0.0%
Any Other Individual Impurity	≤ 0.15%	Conforms
Total Impurities	≤ 3.0% (exc. D)	0.4%
4-Hydroxyphenoxymethylpenicillin potassium	≤ 4.0% (anhydrous substance)	0.2%
Water	≤ 1.0%	0.2%
Assay	95.0 - 102.0 % (anhydrous substance)	99.7%
Pharmacopoeia Specification(s)	BP	Conforms

Specification Version	v1.0
Manufacture Date	2023-01-09
Re-Test Date	2030-04-17

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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