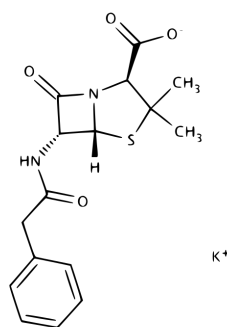


## Product Specification

Product Name	Penicillin G potassium salt
Glentham Code	GA2106
CAS Number	113-98-4
EINECS	204-038-0
MDL Number	MFCD00036193
Additional CAS	61-33-6 (free acid)
PubChem SID	310278563
Molecular Weight	372.48
Molecular Formula	C <sub>16</sub> H <sub>17</sub> KN <sub>2</sub> O <sub>4</sub> S
Storage Temp.	+4°C



Property	Specification
Physical Description	White to off-white crystalline powder
Identification	A, B, C, D
Solubility	Very soluble in water, practically insoluble in fatty oils and in liquid paraffin
pH	5.5 - 7.5 (2g/20ml in water)
Specific Optical Rotation ([α] <sub>D</sub> <sup>20</sup> /D)	+270 - +300 ° (dried, c=2, water)
Absorbance	264nm: 0.80 - 0.88
	280nm: ≤ 0.10
	325nm: ≤ 0.10
Any Individual Impurity	≤ 1.0%
Loss on Drying	≤ 1.0%
Bacterial Endotoxins	≤ 0.16IU/mg
Assay	96.0 - 102.0 % (dried substance)
Pharmacopoeia Specification(s)	BP

Specification Version	-	v1.1
Date Created	-	2021-11-15

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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