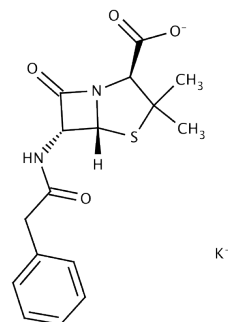


Product Specification

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 : C₁₆H₁₇KN₂O₄S
Storage Temp. : +4°C



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

Specification Version : v1.0
Date Created : 2013-10-10

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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