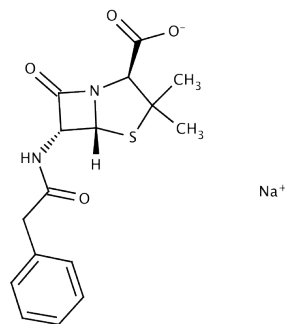


Product Specification

| | |
|-------------------|---|
| Product Name | Penicillin G sodium salt |
| Glentham Code | GA9328 |
| CAS Number | 69-57-8 |
| EINECS | 200-710-2 |
| MDL Number | MFCD00069666 |
| Additional CAS | 61-33-6 (free acid) |
| PubChem SID | 310278565 |
| Molecular Weight | 356.37 |
| Molecular Formula | C ₁₆ H ₁₇ N ₂ NaO ₄ S |
| Storage Temp. | +4°C |



| Property | Specification |
|--------------------------------|---|
| Physical Description | White to off-white crystalline powder |
| Assay | 96.0 - 102.0 % (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 | +285 - +310 ° (anhydrous) |
| Absorbance | 264nm: 0.80 - 0.88 280nm: ≤ 0.10 325nm: ≤ 0.10 |
| Individual Impurity | ≤ 1.0% |
| 2-Ethylhexanoic acid | ≤ 0.5% |
| Loss on Drying | ≤ 1.0% |
| Bacterial Endotoxins | ≤ 0.16IU/mg |
| Pharmacopoeia Specification(s) | BP |
| Potency | ≥ 1645IU/mg (dried basis) |

| | | |
|-----------------------|---|------------|
| 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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