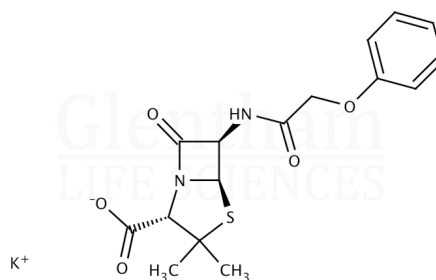


## Product Specification

|                    |                                       |
|--------------------|---------------------------------------|
| Product Name       | Penicillin V potassium salt, BP grade |
| Glentham Code      | GP8344                                |
| CAS Number         | 132-98-9                              |
| EINECS             | 205-086-5                             |
| Numéro MDL         | MFCD00051771                          |
| CAS supplémentaire | 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-Hydroxyphenoxyethylpenicillin 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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