



## **PRODUCT SPECIFICATION**

Product : **Penicillin G Potassium**  
**(Benzylpenicillin Potassium)**

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Characters : white or practically white crystalline powder

Solubility : very soluble in water, practically insoluble in fatty oils and in liquid paraffin

Identification : meets the requirements

pH : 5.5 – 7.5

Absorbance : at 280 nm: < 0.10  
at 264 nm: 0.80 – 0.88  
at 325 nm: < 0.10

Loss on drying : 1.0 %

Specific optical rotation : +270° - +300°

Content of Penicillin G Potassium : 96.0 % - 102.0 %

Related substances : ≤ 1.0 %

Sterility : sterile

Bacterial endotoxins : < 0.16 IU/mg

Residual solvents : Ethyl acetate: ≤ 5000 ppm  
Butanol: ≤ 5000 ppm

MSDS : available upon request