



PRODUCT SPECIFICATION

Product : **Penicillin G Sodium**

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	:	+285° - +310°
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