

Specification

Technical Data Sheet

Product Name	Procaine penicillin G
Product No	90027229
CAS Number	6130-64-9
Storage Temperature	2 to 8 °C
Molecular Weight	588.7 g/mol
	Specification
Appearance	white or almost white crystalline powder
Conclusion	Up to the EP 10.0
Impurity A	≤0.024%
Impurity D	≤0.2%
pH	(50mg/15 H ₂ O) 5.0 ~ 7.5
Water	2.8% ~ 4.2%

Specification

Assay	Procaine(HPLC): 39%~42%(calculated with reference to the anhydrous substances)
Bacterial endotoxins	≤0.1IU/mg
Impurity B (sum of isomers)	≤0.4%
Impurity C (sum of epimers)	≤0.4%
Procaine:benzylpenicillin	96% ~ 102%(calculated with reference to the anhydrous substances)
Residual Solvents	n-Butanol ≤5000ppm / Ethyl acetate ≤5000ppm
Solubility	Slightly soluble in water, sparingly soluble in ethanol 96%
Specified impurity I	≤0.2%
Sterility	Meets the requirements
Total impurity 1	≤2.0%
Total impurity 2	≤2.0%
Any other impurity	≤0.2%
Identification	IR spectrum complies with that of reference standard
Impurity E	≤0.2%
Impurity F	≤0.5%
Impurity G	≤0.5%
Impurity H	≤0.5%
Impurity I	≤0.5%
Impurity J	≤0.5%