

Specification

Technical Data Sheet

Product Name	Penicillin G potassium salt (Benzylpenicillin potassium salt)
Product No	23531529
CAS Number	113-98-4
Storage Temperature	Ambient
Molecular Weight	372.48

Specification

Appearance	White to almost white crystalline powder
Loss on Drying	≤ 1.0%
pH	5.0 - 7.5
Butanol	≤ 0.12%
Clarity of Solution	Not more than opalescent than reference suspension 1
Colour of Solution	Not more intensely coloured than intensity Y2 or YG2 of the range of reference

Specification

Potency	1440 - 1680u/mg
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Related Substances	$\leq 1.0\%$
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Assay (dried basis)	$\geq 96.0\%$
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Butyl acetate	$\leq 0.05\%$
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Identification (IR)	Conforms to Reference
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Polymer of penicillin	$\leq 0.08\%$
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Transmittance (400nm)	$\geq 90.0\%$
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