

Specification

Technical Data Sheet

CAS 113-98-4	STORAGE Ambient	MOLECULAR WEIGHT 372.48
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PRODUCT**Penicillin G potassium salt for cell culture**

Product number	90036449
CAS number	113-98-4
Molecular formula	C ₁₆ H ₁₇ KN ₂ O ₄ S
Molecular weight	372.48 g/mol

PARAMETER	SPECIFICATION
Appearance	White crystalline powder
Identification	complies as per identification tests 1,2,3
Loss on Drying	≤1.5%
Acidity	5.0 - 7.5
Activity	1440U/mg-1680U/mg
Bacterial endotoxins	≤0.01USP EU/100U
Crystallinity	Complies with USP
Residual Solvents	N-Butanol ≤ 5000ppm, Ethyl acetate ≤ 5000ppm
Solubility	Highly soluble in water. Slightly soluble in ethanol. Insoluble in fatty oil/liquid paraffin.
Sterility	sterile
Pharmacopeia	complies with USP

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05