

Specification

Technical Data Sheet

CAS

25389-94-0

STORAGE

Ambient

MOLECULAR WEIGHT

582.58

PRODUCT

Kanamycin A Sulfate USP Grade

Product number	90030119
CAS number	25389-94-0
Molecular formula	C ₁₈ H ₃₆ N ₄ O ₁₁ · H ₂ O ₄ S
Molecular weight	582.58 g/mol

PARAMETER

SPECIFICATION

Appearance	White crystalline powder
Assay	≥750ug/mg
Grade	USP
Loss on Drying	≤4.0%
pH	6.5 - 8.5
Bacterial endotoxins	≤0.60EU/mg
Residual Solvents	≤Ethanol 2000ppm
Residue on Ignition	≤1.0%
Solubility	Freely soluble in water, insoluble in acetone in ethyl acetate and in benzene
Specific optical rotation	+112 - +123°
Total Impurities	≤3.0%
Any Unidentified Impurity	≤0.45%
Kanamycin B	≤1.5%
Microbial Limit	≤25cfu/g
Production Date	TBC

PARAMETER	SPECIFICATION
Sulphates (SO4)(2-)	11 - 17.7%

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.

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