

Specification

Technical Data Sheet

CAS**25389-94-0****STORAGE****Ambient****MOLECULAR WEIGHT****582.58****PRODUCT****Kanamycin A Sulfate u/mg**

Product number	90037229
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 or almost white powder

Content

≥765 (Calculated on dried basis)

Identification

1.) When adding anthracnose solution in sulphuric acid, after heating on a water bath then cooling it should yield bluish violet. 2.) HPLC: The retention time of main peak in the chromatogram of the test solution should correspond to that in the chromatogram of the system suitability solution. 3.) Infra-red spectrum: Infra-red spectrum of the sample should correspond to that of the reference standard. 4.) The aqueous solution of the sample should give the positive reaction of sulphate.

Loss on Drying

≤1.5%

pH

7.0 - 9.0

Bacterial endotoxins

≤0.4 EU

Clarity and colour of solution

The solution should be clear and colorless, or not more turbid than No.1 reference solution, or not be more intense colored than No.2 yellow or yellow-green reference solution

Residue on Ignition

≤0.5%

Kanamycin B

≤2.0%

Sulphates (SO₄)(2-)

15.0 - 17.0%

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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