

Specification

Technical Data Sheet

CAS 1405-41-0	STORAGE 2 to 8 &deg;C	MOLECULAR WEIGHT 1488.8
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PRODUCT**Gentamycin Sulfate EP Grade**

Product number	90034969
CAS number	1405-41-0
Molecular formula	C ₂₁ H ₄₃ N ₅ O ₇ · H ₂ SO ₄
Molecular weight	1488.8 g/mol

PARAMETER	SPECIFICATION
Appearance	White/ almost white powder, freely soluble in water practically insoluble in alcohol and in ether
Assay	≤590 IU/mg (anhydrous substance)
Identification	Examine the chromatograms obtained in the test for composition. The chromatogram obtained with the test solution shows four principal peaks having the same retention times as the four principal peaks in the chromatogram obtained with the reference solution.
pH	3.5 - 5.5
Water	≤15%
Appearance of Solution	Clear and not more intensely coloured than the efree 6 of the range of reference solutions of the most appropriate colour.
Bacterial endotoxins	≤1.67 IU/mg
Composition	C1=25.0 to 50.0%. C1a=10.0 to 35.0%. C2a+C2= 25.0 to 55.0%
Methanol	≤1.0%
Specific optical rotation	+107° to +121°
Sulphated Ash	≤1.0%
Sulphates (SO₄)(2-)	32.0 to 35.0%

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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