



CERTIFICATE OF ANALYSIS

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1. Identification

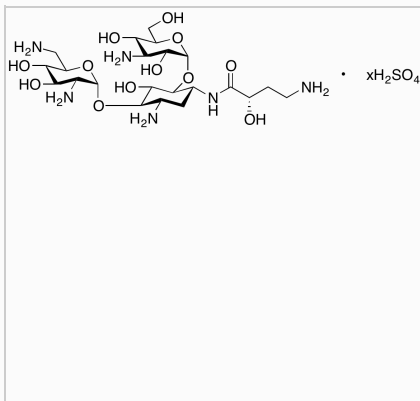
Catalogue Number: A578515

CAS Number: NA

Product: Amikacin B Sulfate

Synonym: O-3-Amino-3-deoxy- α -D-glucopyranosyl-(1 $\rightarrow$ 6)-O-[2,6-diamino-2,6-dideoxy- α -D-glucopyranosyl-(1 $\rightarrow$ 4)]-N1-[(2S)-4-amino-2-hydroxy-1-oxobutyl]-2-deoxy-D-streptamine Amikacin B Sulfate; 1-N-[(S)-4-Amino-2-hydroxybutyryl]kanamycin B Amikacin B Sulfate; BB-K26 Amikacin B Sulfate; Habekacin Amikacin B Sulfate; Amikacin EP Impurity H Sulfate

Structure:



Molecular Formula:

$C_{22}H_{44}N_6O_{12} \cdot xH_2SO_4$

Molecular weight:

584.62 + x(98.07)

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
Methanol (Slightly), Water
(Slightly, Sonicated)

Lot Number: 20-SBK-28-4

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Brown Solid	White Solid
Specific Rotation	Report Result	+71.7° (c = 0.1, Water)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 28.88, %H: 6.01, %N: 9.21
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.30% (ELSD)
Sulfate Content	Report Result	25.83% by Ion Chromatography
Water Content	Report Result	~3.9% based on Elemental Analysis

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	11/10/2021	11/8/2025
				