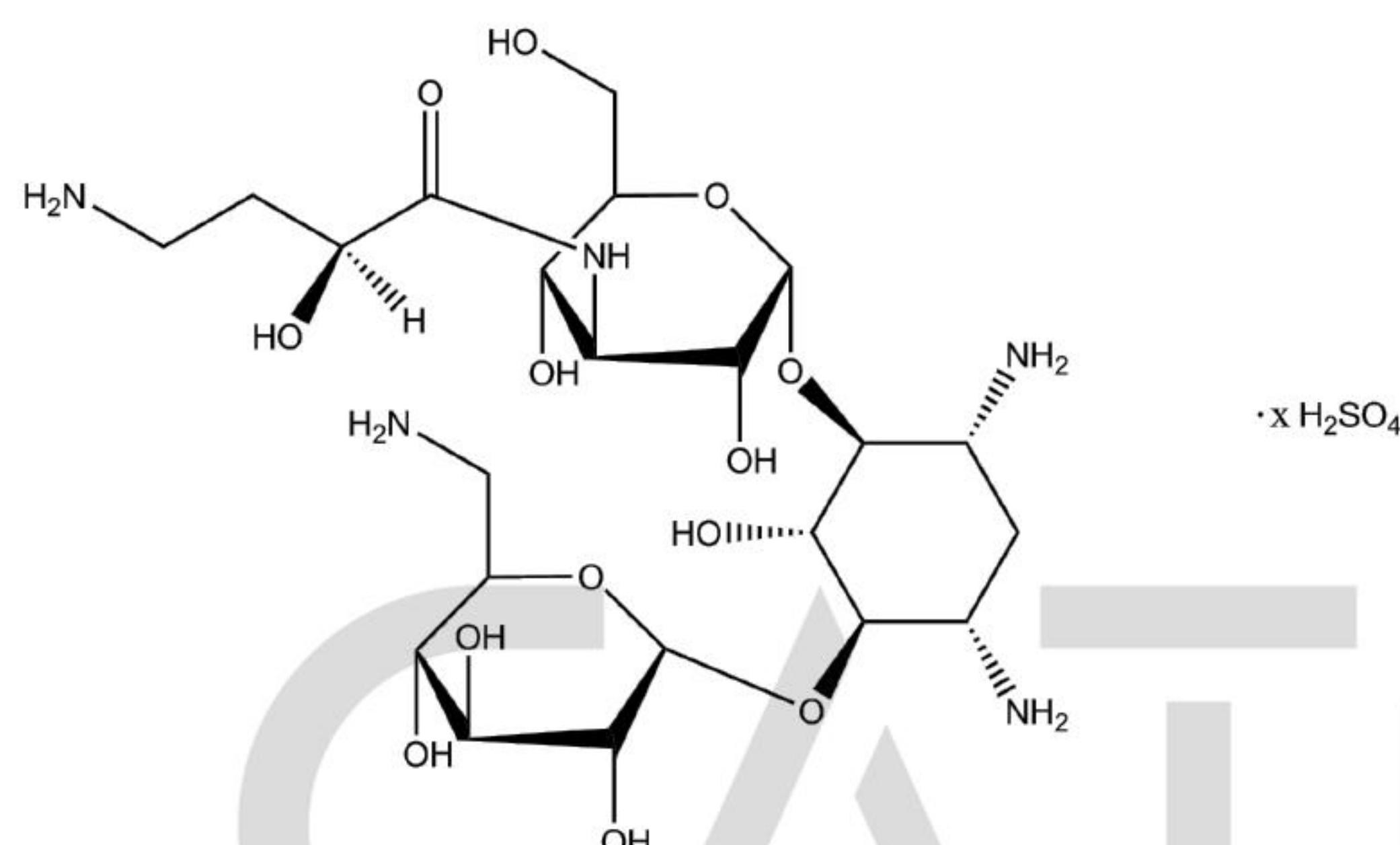


Certificate of Analysis

Reference Material

Product Name:	3''-HABA Kanamycin A xSulfate (Amikacin EP Impurity C xSulfate)	Catalogue Number:	C4X-19777
Chemical Name:	N/A	Lot Number:	C4X-19777-2006
CAS Number:	N/A	Expiry Date:	Aug 29, 2024
Molecular Formula:	C ₂₂ H ₄₃ N ₅ O ₁₃ · xH ₂ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	585.60 · x(98.08)		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.17%
Water Content	Karl Fischer	4.7%
Assay		94.5%

Comment:

- Sulfate Content: 16.80% by Ion Chromatography
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 26, 2020

Date: Oct 10, 2022

Date: Oct 10, 2022

