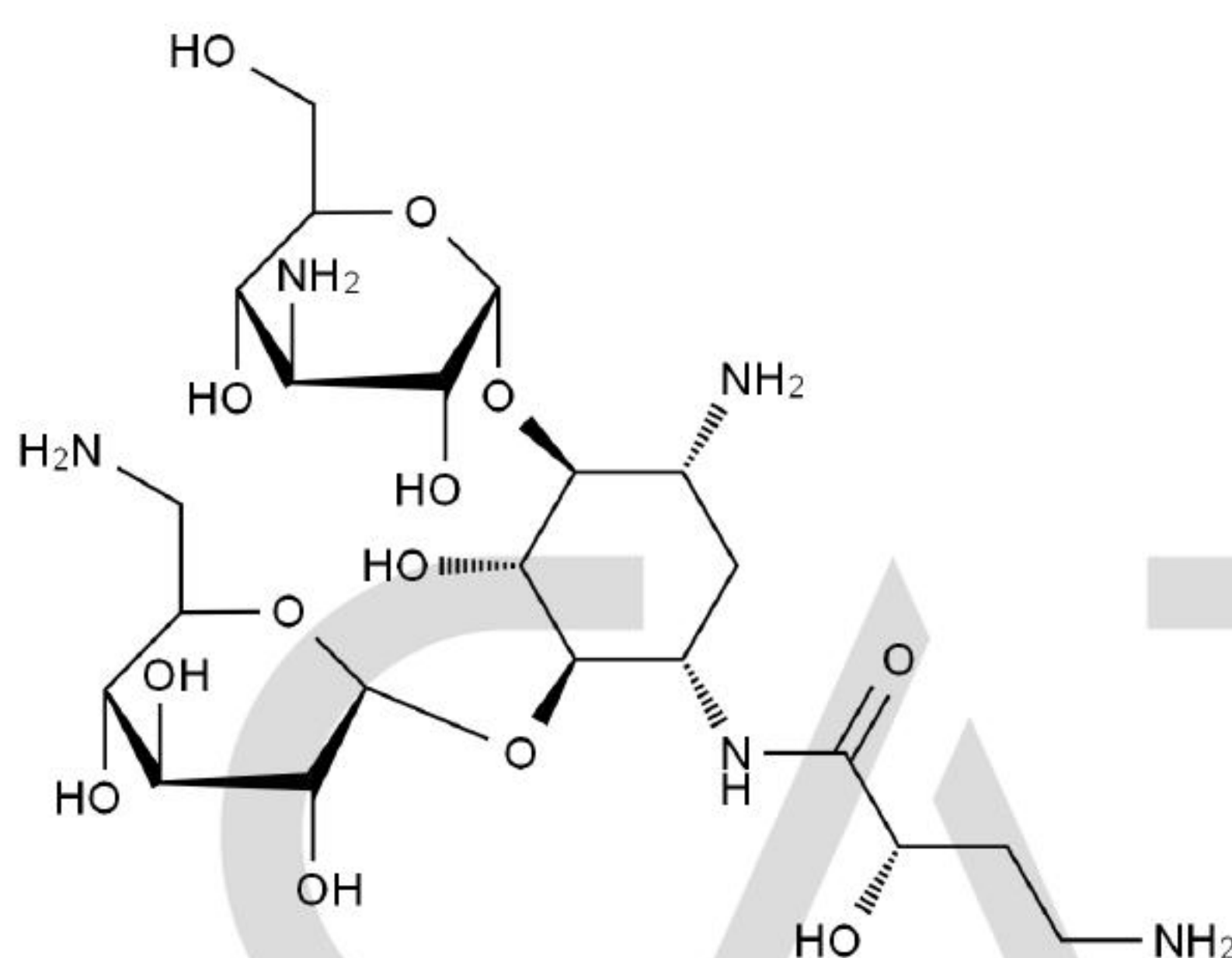


Certificate of Analysis

Reference Material & Standard

Product Name:	Amikacin EP Impurity A	Catalogue Number:	C4X-197712
Synonyms:	N/A	Lot Number:	0423-RG-0011
CAS Number:	50725-24-1	Expiry Date:	Apr 22, 2027
Molecular Formula:	C ₂₂ H ₄₃ N ₅ O ₁₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	585.60		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Sticky Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	ELSD	95.949%
Residue on Ignition	TGA	0.004%
Loss On Drying	TGA	1.7645%
Assay		94.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity ELSD (\%)} / 100\%$

Residue on Ignition and Loss On Drying are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 23, 2025

Date: Apr 24, 2025

Date: Apr 24, 2025

