

Certificate of Analysis

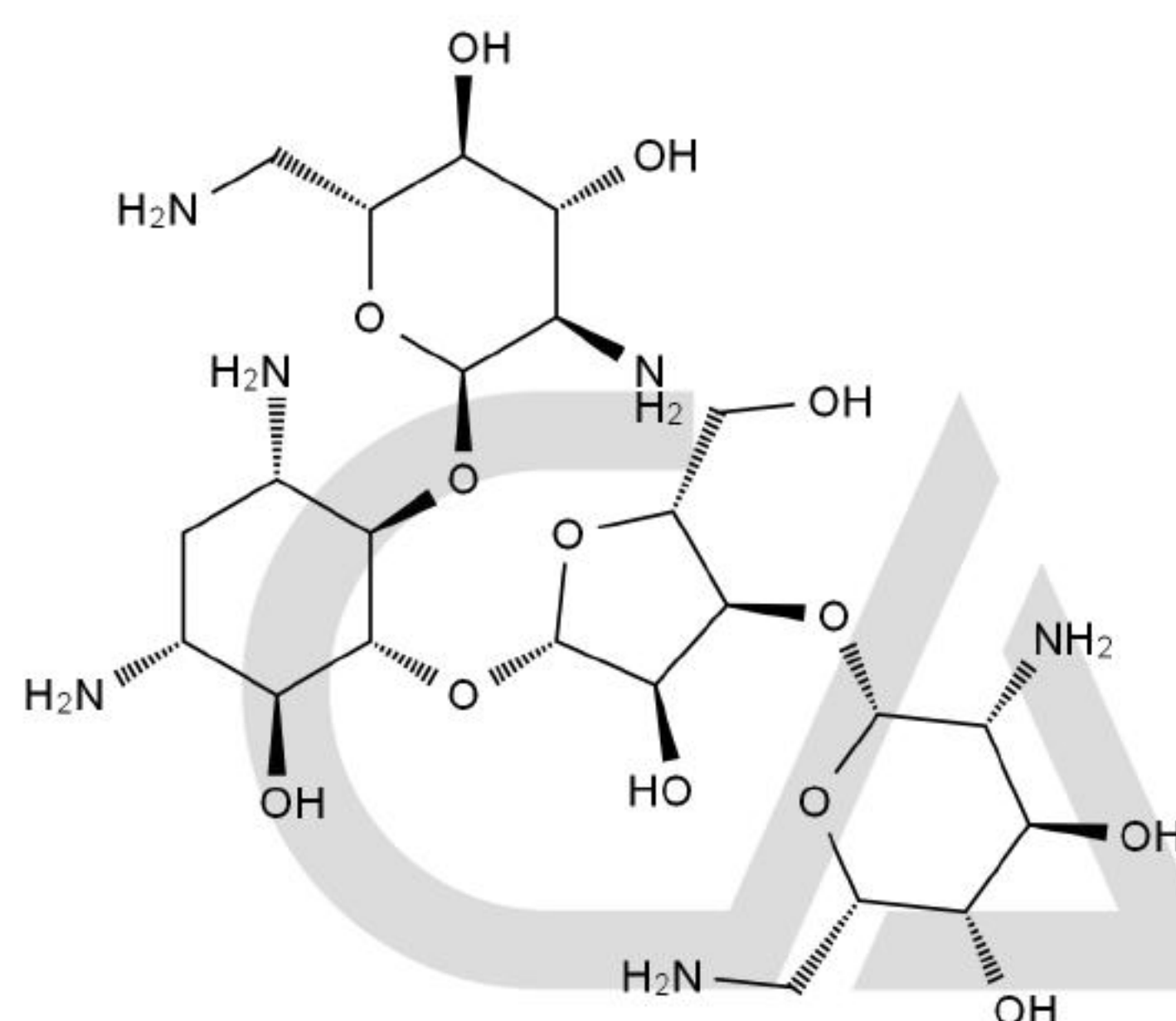
Reference Material & Standard

Product Name:	Neomycin B	Catalogue Number:	CCAD302055
Synonyms:	N/A	Lot Number:	0708-RD-0067
CAS Number:	119-04-0	Expiry Date:	Feb 21, 2025
Molecular Formula:	C ₂₃ H ₄₆ N ₆ O ₁₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	614.64	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.61%
Water Content	Karl Fischer	3.6%
Assay		96.0%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance 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.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Xenia

Reviewed by:

Cady

Approved by General Manager:

David



Date: Mar 08, 2021

Date: Jul 13, 2022

Date: Jul 13, 2022

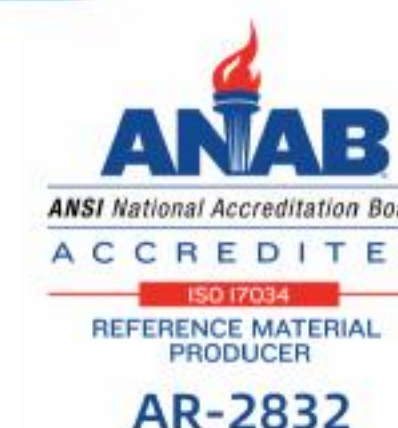
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