

# Certificate

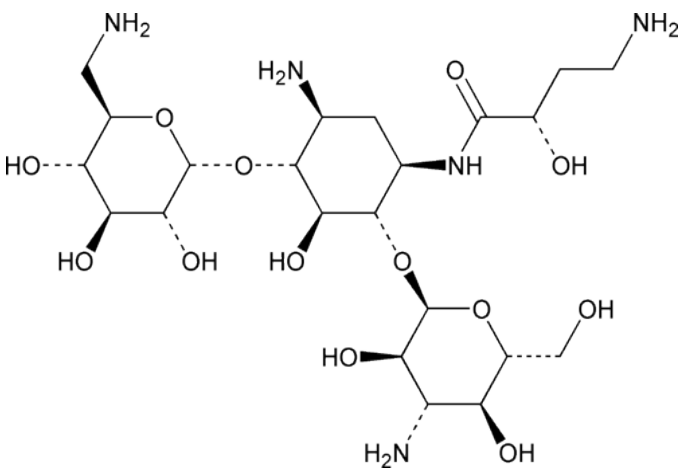
## AMIKACIN

(O-3-Amino-3-deoxy- $\alpha$ -D-glucopyranosyl(1  $\rightarrow$ 4)-O-[6-amino-6-deoxy- $\alpha$ -D-glucopyranosyl(1  $\rightarrow$ 6)]-N<sup>3</sup>-(4-amino-L-2-hydroxybutyryl)-2-deoxy-L-streptamine)

USP Catalog No.: 1019508

USP Lot No.: R015H0

Only compendial components as listed in the monograph are shown below

 <p>The chemical structure of Amikacin is shown, consisting of a 2-deoxy-L-streptamine core linked via a glycosidic bond to a 6-amino-6-deoxy-<math>\alpha</math>-D-glucopyranosyl unit, which is further linked to a 3-amino-3-deoxy-<math>\alpha</math>-D-glucopyranosyl unit. The streptamine core also features a 4-amino-L-2-hydroxybutyryl side chain.</p>	CAS No.	37517-28-5
	Molecular Formula	C <sub>22</sub> H <sub>43</sub> N <sub>5</sub> O <sub>13</sub>
	Molecular Weight	585.60

**LABEL TEXT**

For use with specified USP compendial tests.  
Not for use as a drug. See SDS prior to use  
at [www.usp.org/sds](http://www.usp.org/sds).



Lot: R015H0



**USP REFERENCE STANDARD**

**AMIKACIN 300 mg**

Danger! May cause an allergic skin reaction.  
May damage fertility or the unborn child.

Do not dry. For quantitative applications, determine water content titrimetrically at the time of use, and use a value of 0.993 mg of amikacin per mg of material on the anhydrous basis. Keep container tightly closed. Protect from light. Store in a refrigerator.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1019508 Material mfd. in Ireland

Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

*Jeri L. Joth*

*Quality Assurance*

**Calculation Value**

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

**Expiration**

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at [www.usp.org](http://www.usp.org).

**Instructions for Use**

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

**Non-Monograph Use**

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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