

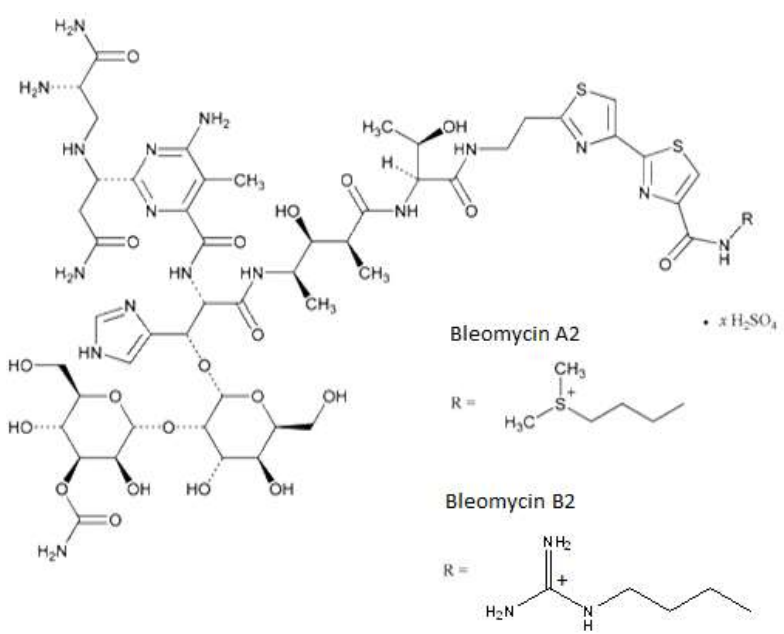
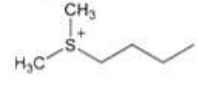
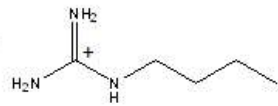
# Certificate

## BLEOMYCIN SULFATE

(Bleomycin sulfate salt)

USP Catalog No.: 1076308

USP Lot No.: L1L527

|   |                            |
|---|----------------------------|
|  <p>Bleomycin A2<br/>• x H<sub>2</sub>SO<sub>4</sub></p> <p>R = </p> <p>Bleomycin B2</p> <p>R = </p> | CAS No.: 9041-93-4         |
|   | Molecular Formula: Mixture |
|   | Molecular Weight: N/A      |

**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).



**USP REFERENCE STANDARD**  
**BLEOMYCIN SULFATE 15 mg**

Danger! May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs (lung) through prolonged or repeated exposure.

Dry at room temperature under vacuum in a desiccator containing phosphorous pentoxide at a pressure not exceeding 5 mm of mercury for 3 hours before using. For quantitative applications, use a value of 1.88 bleomycin units per mg of dried material. Keep container tightly closed. Protect from light. Store in a freezer. Allow container to attain room temperature before opening. This material is hygroscopic.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
Cat. No. 1076308 Material mfd. in Italy

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory 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 inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. 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**

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. 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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