

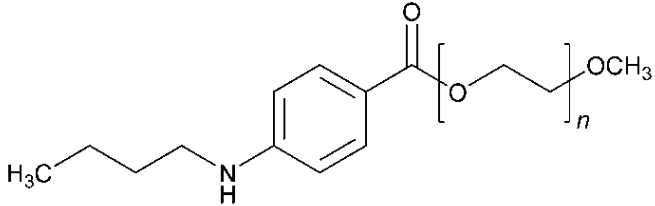
# Certificate

## BENZONATATE

(2,5,8,11,14,17,20,23,26-Nonaooctacosan-28-yl 4-(butylamino)benzoate)

USP Catalog No.: 1056005

USP Lot No.: R04360

	CAS No.: 32760-16-0
	Molecular Formula: $C_{30}H_{53}NO_{11}$ (average)
	Molecular Weight: 603.74 (average)

Additional Information: Reference Standard assigned value is determined by titration.

**LABEL TEXT**

**USP REFERENCE STANDARD**

**BENZONATATE 1 g**

For quantitative applications, use a value of 0.975 mg of benzonatate per mg of material on the as is basis. After opening, keep in a tightly closed container. Protect from light and moisture.



Warning! Harmful if swallowed. May cause damage to organs (nervous system, cardiovascular system).

Wash thoroughly after handling. Do not breathe mist or vapor.  
If swallowed: Call a poison center/doctor if you feel unwell.  
Rinse mouth. If exposed or concerned: Call a poison center/doctor. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

**KEEP AMPULE IN SECONDARY CONTAINER!**

**LOT: R04360**

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666

CAT No. 1056005 Material mfd. in Taiwan



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**

**BENZONATATE 1 g**



Warning! See outer package for full hazard information.

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*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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