

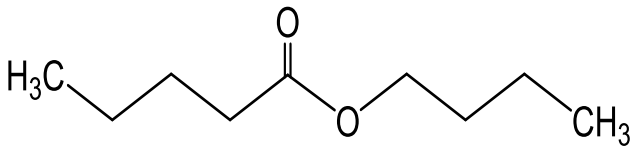
# Certificate

## BUTYL VALERATE

*(Butyl ester pentanoic acid)*

USP Catalog No.: 1082672

USP Lot No.: F023X0

	CAS No. 591-68-4
	Molecular Formula C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>
	Molecular Weight 158.24

**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).



**BUTYL VALERATE 1 ml**



Warning! See outer package for  
full hazard information.

Do not dry. For quantitative applications use a  
value of 0.997 mg of butyl valerate per mg of  
material on the as-is basis. After opening  
ampule store in a tightly closed container.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT. NO. 1082672 Lot: F023X0  
Material mfd. in Germany



**BUTYL VALERATE 1 ml**

Do not dry. For quantitative applications use a value of 0.997 mg of butyl valerate per  
mg of material on the as-is basis. After opening ampule store in a tightly closed  
container.



Warning! Combustible liquid. Causes skin irritation. Causes serious eye irritation.

Keep away from flames and hot surfaces-No smoking. Wash thoroughly after  
handling. Wear protective gloves/eye protection/face protection. If on skin: Wash with  
plenty of water. If skin irritation occurs: Get medical advice/attention. Take off  
contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present and easy to do. Continue  
rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use  
appropriate media for extinction. Store in a well-ventilated place. Keep cool. Dispose of  
contents/container in accordance with local/regional/national/international regulations.

**KEEP AMPULE IN SECONDARY CONTAINER!**

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CAT. NO. 1082672 Material mfd. in Germany

**LOT: F023X0**



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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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