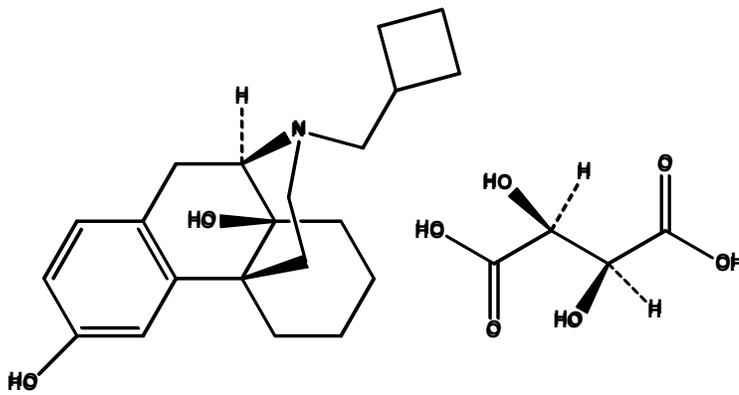




U.S. Pharmacopeia  
The Standard of Quality<sup>SM</sup>

# USP Certificate

## Butorphanol Tartrate LOT K1L363



### Molecular Formula

**C<sub>21</sub>H<sub>29</sub>NO<sub>2</sub> · C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>**

### Molecular Weight

**477.55**

### CAS Number

**58786-99-5**

### LABEL TEXT



### USP REFERENCE STANDARD

**BUTORPHANOL TARTRATE CIV 350 mg**  
NDC #00216-9720-06

Warning! Harmful if swallowed. May cause drowsiness or dizziness.

Do not dry. For quantitative applications, use a value of 0.999 mg of butorphanol tartrate per mg of material on the as is basis. Keep container tightly closed. Protect from light. Store in a refrigerator.



USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1082504 Material mfd in Czech Republic  
**Intentionally over-labeled for GHS compliance**

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).

Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. 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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