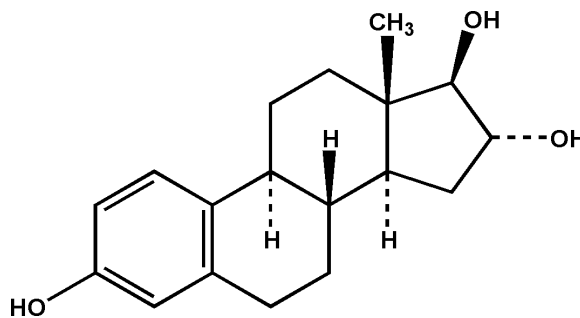




U.S. Pharmacopeia  
The Standard of Quality™

# USP Certificate

## Estriol LOT K0H209



### Molecular Formula

**C<sub>18</sub>H<sub>24</sub>O<sub>3</sub>**

### Molecular Weight

**288.38**

### CAS Number

**50-27-1**

### LABEL TEXT

For use with specified USP-NF Tests. Not for use as a drug. Read MSDS before using.

**USP** REFERENCE STANDARD

ESTRIOL 100 mg  
DANGER! Cancer Suspect Agent, Reproductive Hazard

Dry portion at 105° for 3 hours before using. For quantitative applications, use a value of 0.999 mg of estriol per mg of material on the dried basis. Keep container tightly closed. Protect from light.

CAT. NO. 1254508 USP ROCKVILLE, MD LOT K0H209

K0H209

USP certifies that the USP Reference Standards Committee, in accordance with their rules and procedures, determined that this USP Reference Standard lot is suitable to assess compliance with the monograph standards for which it is specified. The critical characteristics of this lot are usually determined independently in three or more laboratories, including USP, government, academic, and industrial collaborators.

QA Director

## Calculation Value

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in USP or NF 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 Official USP Reference Standards catalog. In some cases, the previous lot may still be considered official. If so, it is identified in the column marked "Previous Lot/Valid Use Date." Ordinarily, the previous lot is carried in official status for about one year after the current lot enters distribution.

It is the responsibility of each user to determine that this lot is current when used. To ensure up-to-date information, USP publishes the Official USP Reference Standards Catalog, which contains official lot designations. This information is also available on the USP web site, at [www.usp.org](http://www.usp.org), as well as in the bimonthly subscription publication, *Pharmacopeial Forum*.

## Instructions for Use

Follow the instructions in the appropriate USP or NF Monographs and General Requirements for Tests and Assays of the current *USP–NF*. In the event that instructions on the label of this lot differ from those found in the current *USP–NF*, those on the label supersede any instructions listed in Chapter <11>.

## Non-Monograph Use

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

---

## LEGAL NOTICE

USP MAKES NO REPRESENTATION OR WARRANTY WITH RESPECT TO THE ACCURACY, COMPLETENESS, OR CURRENTNESS OF THIS CERTIFICATE; AND USP SPECIFICALLY DISCLAIMS ANY OTHER WARRANTY, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. USP DOES NOT WARRANT THAT THE INFORMATION CONTAINED HEREIN MEETS THE CUSTOMER'S REQUIREMENTS. USP SHALL NOT BE LIABLE ON ACCOUNT OF ANY SUCH ERRORS OR OMISSIONS.

USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.  
This document is not a Material Safety Data Sheet.

This certificate may not be reproduced without the express written permission of USP.

Copyright 2008 The United States Pharmacopeial Convention, Inc. All rights reserved.