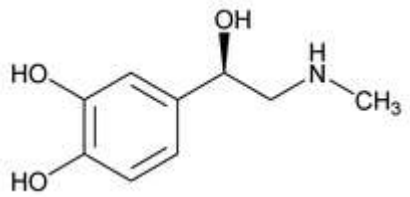
Certificate

EPINEPHRINE

((−)-3,4-Dihydroxy-α-[(methylamino)methyl]benzyl alcohol)

USP Catalog No.: 1236970
USP Lot No.: F070U0



CAS No.:	51-43-4
Molecular Formula:	$C_9H_{13}NO_3$
Molecular Weight:	183.20

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Certificate Date: 14Aug2017
USP Template No. CERT1_4-04
Effective 21Jan2016

AQUESTIVE THERAPEUTICS, INC. EXHIBIT 1011

U.S. Pharmacopeial Convention

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.

Lot: F070U0

USP REFERENCE STANDARD

EPINEPHRINE 200 mg

Danger! Fatal if swallowed. Fatal in contact with skin.

For quantitative applications, use a value of 0.997 mg of epinephrine per mg of material on the as is basis. Keep container tightly closed. Protect from light. Store in a refrigerator. Packaged under inert gas.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1236970 Material mfd. in China

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. Immediately call a poison center/doctor. Take off immediately all contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Jeri L. Toth

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.

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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