

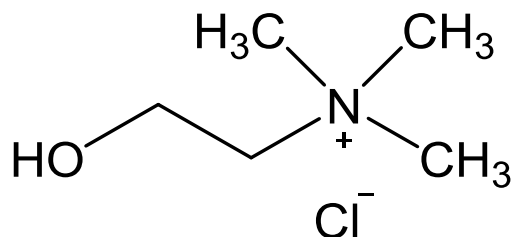
Certificate

CHOLINE CHLORIDE

2-hydroxy-N,N,N-trimethylethanaminium chloride

USP Catalog No.: 1133547

USP Lot No.: R060C0



CAS No.: 67-48-1

Molecular Formula: $C_5H_{14}ClNO$

Molecular Weight: 139.62

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: R060C0

USP REFERENCE STANDARD

CHOLINE CHLORIDE 500 mg

Warning! Causes eye irritation.

For quantitative applications, determine the water content titrimetrically at the time of use. Use as is material and the water content to correct weight. Use a value of 1.00 mg of choline chloride per mg of material on the anhydrous basis. The material is hygroscopic. Keep the container tightly closed.

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

Cat. No. 1133547 Material mfd. in China

Wash thoroughly after handling. 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.

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.

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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