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Epinephrine Inhalation Solution

» Epinephrine Inhalation Solution is a sterile solution of Epinephrine in Purified Water prepared with the aid of Hydrochloric Acid. It contains, in each 100 mL, not less than 0.9 g and not more than 1.15 g of $C_9H_{13}NO_3$.

Packaging and storage—Preserve in small, well-filled, tight, light-resistant containers.

Labeling—The label indicates that the Inhalation Solution is not to be used if its color is pinkish or darker than slightly yellow or if it contains a precipitate.

Color and clarity—Using the Inhalation Solution as the *Test solution*, proceed as directed for *Color and clarity* under *Epinephrine Injection*.

Identification—It meets the requirements for the *Identification* test under *Epinephrine Nasal Solution*.

Sterility Tests ⟨71⟩: meets the requirements.

Assay—Pipet 10 mL of Inhalation Solution into a 125-mL separator, and extract the solution with two 10-mL portions of chloroform. Proceed as directed in the *Assay* under *Epinephrine Nasal Solution*, beginning with "Rinse the stopper and mouth of the separator," but use for the acetylation 1.05 g of sodium bicarbonate and 0.50 mL of acetic anhydride, and extract the acetylated product with six 15-mL portions of chloroform instead of the 25-mL portions specified therein, and use 15.0 mL of chloroform instead of 5.0 mL in the determination of the specific rotation.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
EPINEPHRINE INHALATION SOLUTION	Documentary Standards Support	SM52020 Small Molecules 5

Chromatographic Database Information: Chromatographic Database

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