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# Promazine Hydrochloride Tablets

» Promazine Hydrochloride Tablets contain not less than 95.0 percent and not more than 110.0 percent of the labeled amount of  $C_{17}H_{20}N_2S \cdot HCl$ .

**Packaging and storage**—Preserve in tight, light-resistant containers.

**USP REFERENCE STANDARDS (11)**—  
[USP Promazine Hydrochloride RS](#)

[NOTE—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]

**Identification**—

**A:** Shake a portion of powdered Tablets, equivalent to about 50 mg of promazine hydrochloride, with 25 mL of 0.01 N hydrochloric acid for 5 minutes, and filter: the solution meets the requirements under [Identification—Organic Nitrogenous Bases \(181\)](#).

**B:** It responds to [Identification](#) test [B](#) under [Promazine Hydrochloride](#).

**DISINTEGRATION (701)**: 30 minutes, with disks.

**UNIFORMITY OF DOSAGE UNITS (905)**: meet the requirements.

**Assay**—[NOTE—Use low-actinic glassware.] Weigh and finely powder not less than 20 Tablets. Transfer an accurately weighed portion of the powder, equivalent to about 50 mg of promazine hydrochloride, to a 100-mL volumetric flask. Add 50 mL of 0.1 N hydrochloric acid, and shake by mechanical means for about 1 hour. Dilute with 0.1 N hydrochloric acid to volume, mix, and centrifuge a portion of the mixture. Transfer 10.0 mL of the clear, supernatant to a 250-mL separator, and proceed as directed in the [Assay](#) under [Promazine Hydrochloride Injection](#), beginning with “add 20 mL of water.” Calculate the quantity, in mg, of  $C_{17}H_{20}N_2S \cdot HCl$  in the portion of Tablets taken by the formula:

$$C(A_U/A_S)$$

in which *C* is the concentration, in µg per mL, of [USP Promazine Hydrochloride RS](#) in the Standard solution, and *A<sub>U</sub>* and *A<sub>S</sub>* are the absorbances of the solution from the Tablets and the Standard solution, respectively.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
PROMAZINE HYDROCHLORIDE TABLETS	<a href="#">Documentary Standards Support</a>	SM52020 Small Molecules 5
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	SM52020 Small Molecules 5

**Chromatographic Database Information:** [Chromatographic Database](#)

**Most Recently Appeared In:**  
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