

Status: Currently Official on 14-Feb-2025
Official Date: Official Prior to 2013
Document Type: USP Monographs
DocId: GUID-EAF6D44C-3C7A-4CD8-84DF-552AD8E20B44_2_en-US
DOI: https://doi.org/10.31003/USPNF_M16810_02_01
DOI Ref: 38b93

© 2025 USPC
Do not distribute

Chlorpropamide Tablets

» Chlorpropamide Tablets contain not less than 90.0 percent and not more than 110.0 percent of the labeled amount of $C_{10}H_{13}ClN_2O_3S$.

Packaging and storage—Preserve in well-closed containers.

USP REFERENCE STANDARDS (11)—

[USP Chlorpropamide RS](#)

Identification—Shake a quantity of finely powdered Tablets, equivalent to about 100 mg of chlorpropamide, with 20 mL of 1 N hydrochloric acid, and extract with 50 mL of chloroform. Filter the chloroform through chloroform-washed cotton into a suitable beaker, and evaporate the chloroform on a steam bath with the aid of a current of dry air to dryness. Dry the residue at 105° for 1 hour: the residue so obtained responds to the *Identification* tests under [Chlorpropamide](#).

DISSOLUTION (711)—

Medium: water; 900 mL.

Apparatus 2: 50 rpm.

Time: 60 minutes.

Procedure—Determine the amount of $C_{10}H_{13}ClN_2O_3S$ dissolved from UV absorbances at the wavelength of maximum absorbance at about 230 nm of filtered portions of the solution under test, suitably diluted with 0.1 N hydrochloric acid in comparison with a Standard solution having a known concentration of [USP Chlorpropamide RS](#) in 0.1 N hydrochloric acid. [NOTE—A volume of alcohol not exceeding 10% of the final volume of the Standard solution may be used to dissolve the [USP Chlorpropamide RS](#).]

Tolerances—Not less than 75% (Q) of the labeled amount of $C_{10}H_{13}ClN_2O_3S$ is dissolved in 60 minutes.

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

Assay—

Mobile phase, Standard preparation, and Chromatographic system—Proceed as directed in the *Assay* under [Chlorpropamide](#).

Assay preparation—Weigh and finely powder not less than 20 Tablets. Transfer an accurately weighed portion of the powder, equivalent to about 50 mg of chlorpropamide, to a 100-mL volumetric flask. Add *Mobile phase* to volume, mix, and filter, discarding the first 10 mL of the filtrate. Pipet 10 mL of the filtrate into a second 100-mL volumetric flask, add *Mobile phase* to volume, and mix.

Procedure—Proceed as directed for *Procedure* in the *Assay* under [Chlorpropamide](#). Calculate the quantity, in mg, of $C_{10}H_{13}ClN_2O_3S$ in the portion of Tablets taken by the formula:

$$1000C(r_U/r_S)$$

in which C is the concentration, in mg per mL, of [USP Chlorpropamide RS](#) in the *Standard preparation*; and r_U and r_S are the peak responses obtained from the *Assay preparation* and the *Standard preparation*, respectively.

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

Topic/Question	Contact	Expert Committee
CHLORPROPAMIDE TABLETS	Documentary Standards Support	SM32020 Small Molecules 3

Chromatographic Database Information: [Chromatographic Database](#)

Most Recently Appeared In:
Pharmacopeial Forum: Volume No. 46(5)

Current DocID: GUID-EAF6D44C-3C7A-4CD8-84DF-552AD8E20B44_2_en-US

Previous DocID: GUID-EAF6D44C-3C7A-4CD8-84DF-552AD8E20B44_1_en-US

DOI: https://doi.org/10.31003/USPNF_M16810_02_01

DOI ref: [38b93](#)

OFFICIAL