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Halcinonide Topical Solution

» Halcinonide Topical Solution is Halcinonide in a suitable aqueous vehicle. It contains not less than 90.0 percent and not more than 110.0 percent of the labeled amount of $C_{24}H_{32}ClFO_5$.

Packaging and storage—Preserve in well-closed containers.

USP REFERENCE STANDARDS (11).—
[USP Halcinonide RS](#)

Identification—It responds to the [Identification](#) test under [Halcinonide Cream](#).

MICROBIAL ENUMERATION TESTS (61) and **TESTS FOR SPECIFIED MICROORGANISMS** (62).—It meets the requirements of the tests for absence of *Staphylococcus aureus* and *Pseudomonas aeruginosa*.

Assay—

Mobile phase—Mix approximately equal volumes of acetonitrile and water, adjusting the ratio of solvents as necessary to achieve acceptable chromatography.

Internal standard solution—Transfer 15 mg of Progesterone to a 50-mL volumetric flask. Dissolve in *Mobile phase*, dilute with *Mobile phase* to volume, and mix.

Standard preparation—Transfer about 20 mg of [USP Halcinonide RS](#), accurately weighed, to a 100-mL volumetric flask, dissolve in *Mobile phase*, dilute with *Mobile phase* to volume, and mix. Transfer 5.0 mL of this solution to a 50-mL volumetric flask, add 2.0 mL of *Internal standard solution*, dilute with *Mobile phase* to volume, and mix.

Assay preparation—Transfer an accurately measured quantity of Topical Solution, equivalent to about 1 mg of halcinonide, to a 50-mL volumetric flask, add 2.0 mL of *Internal standard solution*, dilute with *Mobile phase* to volume, and mix.

Chromatographic system and Procedure—Proceed as directed in the [Assay](#) under [Halcinonide Cream](#). Calculate the quantity, in mg, of $C_{24}H_{32}ClFO_5$ in the portion of Topical Solution taken by the formula:

$$50C(R_i/R_s)$$

in which the terms are as defined therein.

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

Topic/Question	Contact	Expert Committee
HALCINONIDE TOPICAL SOLUTION	Documentary Standards Support	SM22020 Small Molecules 2

Chromatographic Database Information: [Chromatographic Database](#)

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