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## Triamcinolone Acetonide Ointment

» Triamcinolone Acetonide Ointment is Triamcinolone Acetonide in a suitable ointment base. It contains not less than 90.0 percent and not more than 115.0 percent of the labeled amount of  $C_{24}H_{31}FO_6$ .

**Packaging and storage**—Preserve in well-closed containers.

**USP REFERENCE STANDARDS (11)**—

[USP Triamcinolone Acetonide RS](#)

**Identification**—Place 2 g of Ointment in a conical flask, add 5.0 mL of chloroform, and shake for 10 minutes. Add 15 mL of alcohol, and shake for an additional 10 minutes. Filter the solution into a centrifuge tube, and evaporate the filtrate to dryness. Dissolve the residue in alcohol to obtain a solution containing about 250  $\mu$ g per mL. Apply 10  $\mu$ L of this solution, and 10  $\mu$ L of a solution of [USP Triamcinolone Acetonide RS](#) in alcohol containing 250  $\mu$ g per mL, on a line parallel to and about 1.5 cm from the bottom edge of a thin-layer chromatographic plate (see [Chromatography \(621\)](#)) coated with a 0.25-mm layer of chromatographic silica gel. Place the plate in a developing chamber containing and equilibrated with a mixture of chloroform, benzene, and methanol (100:40:20). Develop the chromatogram until the solvent front has moved about 12 cm above the line of application. Remove the plate, allow the solvent to evaporate, and spray with a mixture of equal volumes of sodium hydroxide solution (1 in 5) and a 1 in 500 solution of blue tetrazolium in methanol: the intensity of the blue color and the  $R_F$  of the spot obtained from the solution under test are similar to those of the spot obtained from the Standard solution.

**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*.

**MINIMUM FILL (755)**: meets the requirements.

**Assay**—Proceed with Ointment as directed in the [Assay](#) under [Triamcinolone Acetonide Cream](#), except to read "Ointment" in place of "Cream" throughout.

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

Topic/Question	Contact	Expert Committee
TRIAMCINOLONE ACETONIDE OINTMENT	<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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