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Neomycin Sulfate and Triamcinolone Acetonide Cream

» Neomycin Sulfate and Triamcinolone Acetonide Cream contains the equivalent of not less than 90.0 percent and not more than 135.0 percent of the labeled amount of neomycin, and not less than 90.0 percent and not more than 110.0 percent of the labeled amount of triamcinolone acetonide ($C_{24}H_{34}FO_6$).

Packaging and storage—Preserve in collapsible tubes or in tight containers.

USP REFERENCE STANDARDS (11).—

[USP Neomycin Sulfate RS](#)

[USP Triamcinolone Acetonide RS](#)

Identification—

A: It meets the requirements for neomycin under [Thin-Layer Chromatographic Identification Test \(201BNP\)](#).

B: Place 2 g of Cream 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 µg of triamcinolone acetonide per mL. Proceed as directed in the *Identification* test under [Triamcinolone Acetonide Cream](#), beginning with “Apply 10 µL of this solution”: the specified result is observed.

MINIMUM FILL (755): meets the requirements.

Assay for neomycin—Proceed with Cream as directed in the Assay under [Neomycin Sulfate Cream](#).

Assay for triamcinolone acetonide—Proceed with Cream as directed in the Assay under [Triamcinolone Acetonide Cream](#).

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

Topic/Question	Contact	Expert Committee
NEOMYCIN SULFATE AND TRIAMCINOLONE ACETONIDE CREAM	Rebecca C. Potts Associate Scientific Liaison	BIO42020 Biologics Monographs 4 - Antibiotics
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	BIO42020 Biologics Monographs 4 - Antibiotics

Chromatographic Database Information: [Chromatographic Database](#)

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