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Neomycin Sulfate and Hydrocortisone Ointment

» Neomycin Sulfate and Hydrocortisone Ointment 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 hydrocortisone ($C_{21}H_{30}O_5$).

Packaging and storage—Preserve in collapsible tubes or in well-closed containers.

USP REFERENCE STANDARDS (11).—
[USP Hydrocortisone RS](#)
[USP Neomycin Sulfate RS](#)

Identification—

- A:** It meets the requirements for neomycin under [Thin-Layer Chromatographic Identification Test \(201BNP\)](#).
B: The retention time of the major peak for hydrocortisone in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation, as obtained in the Assay for hydrocortisone.

MINIMUM FILL (755): meets the requirements.
WATER DETERMINATION, Method I (921): not more than 1.0%, 20 mL of a mixture of toluene and methanol (7:3) being used in place of methanol in the titration vessel.
Assay for neomycin—Proceed with Ointment as directed in the Assay under [Neomycin Sulfate Ointment](#).
Assay for hydrocortisone—Proceed with Ointment as directed in the Assay for hydrocortisone under [Neomycin and Polymyxin B Sulfates, Bacitracin Zinc, and Hydrocortisone Ophthalmic Ointment](#).

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

Topic/Question	Contact	Expert Committee
NEOMYCIN SULFATE AND HYDROCORTISONE OINTMENT	Julie Zhang Associate Science & Standards 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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