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Neomycin and Polymyxin B Sulfates, Bacitracin Zinc, and Hydrocortisone Ointment

» Neomycin and Polymyxin B Sulfates, Bacitracin Zinc, and Hydrocortisone Ointment contains the equivalent of not less than 90.0 percent and not more than 130.0 percent of the labeled amounts of neomycin, polymyxin B, and bacitracin, and not less than 90.0 percent and not more than 110.0 percent of the labeled amount of hydrocortisone.

Packaging and storage—Preserve in well-closed containers, preferably at controlled room temperature.

USP REFERENCE STANDARDS (11)—

- [USP Bacitracin Zinc RS](#)
- [USP Hydrocortisone RS](#)
- [USP Neomycin Sulfate RS](#)
- [USP Polymyxin B Sulfate RS](#)

Identification—

- A:** It meets the requirements 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 0.5%, 20 mL of a mixture of toluene and methanol (7:3) being used in place of methanol in the titration vessel.

Assay for neomycin, Assay for polymyxin B, and Assay for bacitracin—Proceed with Ointment as directed in the *Assay for neomycin*, in the *Assay for polymyxin B*, and in the *Assay for bacitracin* under [Neomycin and Polymyxin B Sulfates and Bacitracin Zinc Ophthalmic Ointment](#).

Assay for hydrocortisone—Proceed with the 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 AND POLYMYXIN B SULFATES, BACITRACIN ZINC, 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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