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# Neomycin Sulfate Tablets

» Neomycin Sulfate Tablets contain the equivalent of not less than 90.0 percent and not more than 125.0 percent of the labeled amount of neomycin.

**Packaging and storage**—Preserve in tight containers.

**USP Reference standards ⟨11⟩**—

USP Neomycin Sulfate RS

**Thin-layer chromatographic identification test ⟨201BNP⟩**—

*Test solution*—Shake a portion of ground Tablet powder, equivalent to about 70 mg of neomycin (base), with 5 mL of water, and filter. Dilute a portion of this solution with 0.1 N hydrochloric acid to obtain a solution containing the equivalent of 3.5 mg of neomycin (base) per mL. It meets the requirements.

**Disintegration ⟨701⟩:** 60 minutes.

**Uniformity of dosage units ⟨905⟩:** meet the requirements.

**Loss on drying ⟨731⟩**—Dry about 100 mg of powdered Tablets, accurately weighed, in a capillary-stoppered bottle in vacuum at a pressure not exceeding 5 mm of mercury at 60° for 3 hours: it loses not more than 10.0% of its weight.

**Assay**—Proceed as directed under *Antibiotics—Microbial Assays ⟨81⟩*, using not less than 5 Tablets blended at high-speed in a blender jar for 3 to 5 minutes with a sufficient accurately measured volume of *Buffer B.3* to obtain a stock solution having a convenient concentration. Dilute this stock solution quantitatively and stepwise with *Buffer B.3* to obtain a *Test Dilution* having a concentration assumed to be equal to the median dose level of the Standard.

**Auxiliary Information** - Please check for your question in the FAQs before contacting USP.

| Topic/Question | Contact | Expert Committee |
|---|---|---|
| NEOMYCIN SULFATE TABLETS | Kishan Chandra<br>Senior Scientist I, Documentary Standards | BIO42020 Biologics Monographs 4 - Antibiotics |
| REFERENCE STANDARD SUPPORT | RS Technical Services<br>RSTECH@usp.org | BIO42020 Biologics Monographs 4 - Antibiotics |

**Chromatographic Database Information:** Chromatographic Database

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