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## Tetracycline Hydrochloride Soluble Powder

» Tetracycline Hydrochloride Soluble Powder contains not less than 90.0 percent and not more than 125.0 percent of the labeled amount of  $C_{22}H_{24}N_2O_8 \cdot HCl$ .

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

**Labeling**—Label it to indicate that it is intended for veterinary use only.

**USP REFERENCE STANDARDS (11)**—

[USP Tetracycline Hydrochloride RS](#)

**Identification**—Shake a suitable quantity of Powder with methanol to obtain a solution containing the equivalent of 1 mg of tetracycline hydrochloride per mL, and filter. Using the filtrate so obtained as the *Test Solution*, proceed as directed under [Identification—Tetracyclines \(193\)](#).

**Loss on Drying (731)**—Dry about 100 mg, 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 2.0% of its weight.

**Assay**—Transfer an accurately weighed quantity of Powder to a high-speed blender jar containing an accurately measured volume of 0.1 N hydrochloric acid, so that the solution so obtained contains not less than 150 µg of tetracycline hydrochloride per mL, and blend for about 3 to 5 minutes. Proceed as directed for tetracycline under [Antibiotics—Microbial Assays \(81\)](#), diluting an accurately measured volume of this solution quantitatively and stepwise with water to yield 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
TETRACYCLINE HYDROCHLORIDE SOLUBLE POWDER	<a href="#">Julie Zhang</a> Associate Science & Standards Liaison	BIO42020 Biologics Monographs 4 - Antibiotics
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	BIO42020 Biologics Monographs 4 - Antibiotics

**Chromatographic Database Information:** [Chromatographic Database](#)

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