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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	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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