



Product Specification

Product Name: Tetracycline Hydrochloride
Cat #: T-101
CAS #: 64-75-5
Storage: Store desiccated at -20°C. Protect from light.

Test	Specifications
Appearance	Yellow, crystalline powder
Solubility	Complies
Crystallinity	Complies
pH	1.8-2.8
Specific Rotation	-258° to -240°
Loss on Drying	≤2.0%
Total Impurities	≤5.0%
Related Substances	
4-Epitetracycline	≤3.0%
Anhydrotetracycline	≤0.5%
4-Epianhydrotetracycline	≤0.5%
2-Acetyl-2-decarbamoyletetracycline	≤1.5%
Any other unknown impurity	≤0.1%
Residual solvent	
Butanol	≤5000 ppm
Acetone	≤100 ppm
Assay (on dried basis)	≥900 µg/mg

Conforms to USP42 grade

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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