



# Certificate of Analysis

**Product Name:** Tetracycline Hydrochloride  
**Cat #:** T-101  
**CAS #:** 64-75-5  
**Lot #:** Lot Specific  
**Retest Date<sup>†</sup>:** Lot Specific  
**Storage:** Store desiccated at -20°C. Protect from light.

Test	Specs	Results
Appearance	Yellow, crystalline powder	Complies
pH	1.8-2.8	Complies
Specific Rotation	-258° to -240°	Complies
Loss on Drying	≤2.0%	Complies
Assay (on dried basis)	≥95.0%	Complies
Sulfated Ash	≤0.5%	Complies
Related Substances		
4-Epitetracycline	≤3.0%	Complies
Anhydrotetracycline	≤0.5%	Complies
4-Epianhydrotetracycline	≤0.5%	Complies
2-Acetyl-2-decarbamoyletetracycline	≤1.5%	Complies
Chlortetracycline hydrochloride	≤0.5%	Complies
Other Impurities	≤0.05%	Complies

\* GOLD BIOTECHNOLOGY, INC. provides this Certificate of Analysis in good faith. No representation is made as to the accuracy or comprehensiveness of the data and GOLD BIOTECHNOLOGY, INC. shall not be liable for any errors in the data. No representation is made as to the fitness of the data or of the materials for any particular use. User shall exercise its own raw material quality control, including analysis of the material, and shall independently determine the fitness of the data and the material for any use. No representation or warranty is made as to the effectiveness of the material or results obtained using the material, including damages or injury. GOLD BIOTECHNOLOGY, INC. liability is limited to the cost of the material. User assumes all responsibility for compliance with all laws and regulations implicated by use of this material.

† If provided, the Certificate of Analysis (COA) retest date corresponds to the recommended storage conditions provided on the COA. If no retest date is shown, the shelf-life for products is 2 years after purchase when stored according to COA recommendations. Retest dates are not rigid, and often only serve an informational purpose. COA retest dates are supplied by the manufacturer; however, GoldBio product labels may contain different storage recommendations to extend the life of the product beyond the manufacturer retest date or 2 years from purchase.

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