



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-202995  
Lot Number: SAMPLE  
Product Name: Chlortetracycline Hydrochloride  
CAS Number: 64-72-2  
Molecular Formula:  $C_{22}H_{23}ClN_2O_8 \cdot HCl$   
Molecular Weight: 515.34  
Native Source: Isolated from *Streptomyces aureofaciens*.

Test	Specification	Result
Appearance	White to yellow powder	Yellow powder
pH	2.3 - 3.3	2.75
Solubility	50 mg/ml soluble in 1M sodium hydroxide	Complies
Specific Rotation	-238° - -250°	-243°
Loss on Drying	≤ 2.0%	0.46%
Potency	> 900 µg/mg	933 µg/mg

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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