



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-29070  
Lot Number: SAMPLE  
Product Name: Tetracycline HCl  
CAS Number: 64-75-5  
Molecular Formula:  $C_{22}H_{24}N_2O_8$  HCl  
Molecular Weight: 480.90

Test	Specification	Result
Appearance		Yellow Powder
Crystallinity		Complies
Identification		Complies
pH	1.8 - 2.8	2.54
Specific Rotation	-255° - -240°	-248°
Heavy Metals	≤0.005	<0.004%
Loss on Drying	≤2.0	0.27%
Potency		981 mcg/mg
Potency (Anhydrous)	≥900 mcg/mg	983.7 mcg/mg
1-Butanol		≤5000 ppm
4-Ephianhydrotetracycline	≤2.0%	0.01%
Acetone		≤5000 ppm

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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