



CERTIFICATE OF ANALYSIS

Product	Tetracycline hydrochloride
Grade	Ultra Pure
Product Code	TB0504
Formula	$C_{22}H_{24}N_2O_8 \cdot HCL$
MW	480.90
CAS#	64-75-5
Lot No	

Test Items	Specifications	Results
Appearance	Yellow powder	
Identification	Positive	
pH	1.8-2.8	
Specific optical rotation	-240°~-258°	
Loss on drying	≤1.0%	
Related substances		
Epitetracycline	≤3.0%	
4- Epitetracycline	≤2.0%	
4- Epianhydrotetracycline	≤0.5%	
Anhydrotetracycline	≤0.5%	
Any Other impurity	≤0.2%	
Chlortetracycline hydrochloride	≤0.5%	
Total impurity	≤5.0%	
A-Acetyl-2decarbamoyletetracylline	≤1.5%	
Residual solvent		
Acetone	≤500ppm	
N-butanol	≤5000ppm	
Assay (dry)	≥900ug/mg	

Storage: -20°C. Keep Dry. Warm to room temperature before opening.