

Certificate of Analysis

Date of Testing: 2025-06-13 14:35:06
Date of Next Testing: 2029-06-12 14:35:06
Product Name: **Chlorotetracycline hydrochloride**
CAS Number: 64-72-2
Specifications & Purity: PharmPure™, USP, ≥80%(HPLC)
Lot #: F2503191
SKU #: **C103022**
Version: **0**
Analysis #: **386564**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Loss on drying	0-2 (%)	0.01 %
PH	2.3-3.3	2.60
Assay	99-101 (%)	100.28 %
Specific Rotation [α] _D 20	-250--235 (°)	-235.29 °
potency	≥900 (μg/mg)	905.00 μg/mg
Purity(HPLC)	80-100 (%)	99.03900 %
Appearance (C103022)	yellow powder or crystals	yellow powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Bacterial Growth Test	Pass	Pass
Solubility in H ₂ O , clear (1.0%)	pass	Pass



John Su
QA & QC Manager