

Certificate of Analysis

Date of Testing: 2024-04-22 16:58:22

Date of Next Testing: 2028-04-21 16:58:22

Product Name: **Chlorotetracycline hydrochloride**

CAS Number: 64-72-2

Specifications & Purity: PharmPure™, USP, ≥80%(HPLC)

Lot #: D2407090

SKU #: **C103022**

Version: **0**

Analysis #: **059873**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Assay	99-101 (%)	99.31%
Loss on drying	0-2 (%)	1.36 %
PH	2.3-3.3	2.53
potency	≥900 (µg/mg)	950.50 µg/mg
Purity(HPLC)	80-100 (%)	98.84700 %
Specific Rotation [α] _{20/D}	-250--235 (°)	-235.15 °
Appearance (C103022)	yellow powder or crystals	yellow powder or crystals
Bacterial Growth Test	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear (1.0%)	pass	Pass



John Su
QA & QC Manager