

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-07 15:02:34

Date of Next Testing: 2029-11-06 15:02:34

Product Name: **Chlorotetracycline hydrochloride**

CAS Number: 64-72-2

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

Lot #: B2208039

SKU #: **C103022**

Version: **0**

Analysis #: **598909**

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
Specific Rotation [α] _{20/D}	-250--235 (°)	-235.15 °
potency	≥900 (μg/mg)	950.50 μg/mg
Purity(HPLC)	80-100 (%)	98.84500 %
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