

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-21 11:45:02

Date of Next Testing: 2026-01-20 11:45:02

Product Name: **Chlorotetracycline hydrochloride**

CAS Number: 64-72-2

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

Lot #: C1808027

SKU #: **C103022**

Version: **0**

Analysis #: **068812**

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

Parameter	Limit Values	Result
Assay	99-101 (%)	100.58105 %
Loss on drying	0-2 (%)	1.40000 %
pH	2.3-3.3	2.70000
Specific Rotation [α] _{20/D}	-250--235 (°)	-249.00000 °
potency	≥900 (μg/mg)	901.00000 μg/mg
Purity(HPLC)	80-100 (%)	99.87000 %
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