

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-09 16:09:29

Date of Next Testing: 2028-11-08 16:09:29

Product Name: **Chlorotetracycline hydrochloride**

CAS Number: 64-72-2

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

Lot #: J2431329

SKU #: **C103022**

Version: **0**

Analysis #: **420556**

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

Parameter	Limit Values	Result
Assay	99-101 (%)	99.77000 %
Loss on drying	0-2 (%)	0.93005 %
pH	2.3-3.3	2.41000
Specific Rotation [α] _{20/D}	-250--235 (°)	-235.00400 °
potency	≥900 (μg/mg)	902.65300 μg/mg
Purity(HPLC)	80-100 (%)	85.03500 %
Appearance (C103022)	yellow powder or crystals	yellow powder or crystals
Solubility in H ₂ O , clear (1.0%)	pass	Pass
Bacterial Growth Test	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager