

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-30 16:25:50

Date of Next Testing: 2027-07-30 16:25:50

Product Name: **Tetracycline hydrochloride**

CAS Number: 64-75-5

Specifications & Purity: PharmPure™, USP

Lot #: G2525062

SKU #: **T105493**

Version: **1**

Analysis #: **549574**

Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
Sulfate Ash	0-0.5 (%)	0.00000 %
PH (1 %; Water)	2-3	2.64000
Hydrochloric acid 4 - sent to dehydration tetracycline	0-2 (%)	0.99910 %
Potency (mcg/mg)	≥900	988.00000
Loss on drying	0-2 (%)	1.20410 %
Specific Rotation[a] ₂₀ /D(c=0.5 in 0.1mol/L HCl)	-255--240 (°)	-242.00000 °
Purity(HPLC)	95-100 (%)	96.35200 %
Appearance (T105493)	yellow powder or crystals	yellow powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Yellow to Yellow-Orange,Clear,50 mg/ml	pass	Pass



John Su
QA & QC Manager