

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-20 10:22:20
Date of Next Testing: 2028-03-19 10:22:20
Product Name: **Tetracycline hydrochloride**
CAS Number: 64-75-5
Specifications & Purity: PharmPure™, USP
Lot #: C2617522
SKU #: **T105493**
Version: **1**
Analysis #: **654072**
Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
PH (1 %; Water)	1.8-2.8	2.38000
Loss on drying	0-2 (%)	0.44226 %
Heavy metals	0-0.005 (%)	0.00000 %
Limit of 4-epianhydrotetracycline	≤2 (%)	0.00000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } 0.1\text{mol/L HCl})$	-255--240 (°)	-254.15000 °
Assay	≥ 900 (μg/mg)	985.00000 μg/mg
Potency (mcg/mg)	≥900	985.00000
Appearance (T105493)	yellow powder or crystals	yellow powder or crystals
Solubility in H ₂ O , Yellow to Yellow-Orange,Clear,50 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager