

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-03-30 21:29:57
Date of Next Testing:	2026-03-29 21:29:57
Product Name:	Chlortetracycline hydrochloride
CAS Number:	64-72-2
Specifications & Purity:	≥91% dry basis(HPLC)
Lot #:	C2325352
SKU #	C433236
Version	1
Analysis #:	193843
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Assay (dry basis)	≥ 91.0 (%)	96.41 %
Loss on drying	0-1 (%)	0.82 %
Specific Rotation [α] ₂₅ /D(c=0.5,H ₂ O)	-250~-235 (°)	-247.37200 °
PH	2.3-3.3	2.53
UV Absorbance 460nm	≤0.40	0.24500
Related Substances((HPLC)-4-Epichlortetracycline)	≤ 4 (%)	2.25000 %
Related Substances((HPLC)-Tetracycline HCl)	≤8.0 (%)	5.53000 %
Related Substances((HPLC)-Other impurity)	≤1.5 (%)	1.00000 %
Appearance(C433236)	Yellow to Yellow-Brown Powder or Crystals	Yellow to Yellow-Brown Powder or Crystals
Infrared spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager