

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-06 19:28:21
Date of Next Testing: 2029-02-05 19:28:21
Product Name: **Chlortetracycline hydrochloride**
CAS Number: 64-72-2
Specifications & Purity: $\geq 91\%$ dry basis(HPLC)
Lot #: C2325354
SKU #: **C433236**
Version: **1**
Analysis #: **649390**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Related Substances((HPLC)-4-Epichlortetracycline)	≤ 4 (%)	2.24800 %
Related Substances((HPLC)-Tetracycline HCl)	≤ 8.0 (%)	5.52700 %
Related Substances((HPLC)-Other impurity)	≤ 1.5 (%)	0.99800 %
Assay (dry basis)	≥ 91.0 (%)	96.41 %
Loss on drying	0-1 (%)	0.82 %
Specific Rotation $[\alpha]_{25}^D(c=0.5, \text{H}_2\text{O})$	-250--235 ($^{\circ}$)	-247.37000 $^{\circ}$
pH	2.3-3.3	2.53
UV Absorbance 460nm	≤ 0.40	0.24300
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