

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-06 19:39:03  
Date of Next Testing: 2029-02-05 19:39:03  
Product Name: **Chlortetracycline hydrochloride**  
CAS Number: 64-72-2  
Specifications & Purity:  $\geq 91\%$  dry basis(HPLC)  
Lot #: C2325361  
SKU #: **C433236**  
Version: **1**  
Analysis #: **649393**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Related Substances((HPLC)-4-Epichlortetracycline)	$\leq 4$ (%)	2.24800 %
Related Substances((HPLC)-Tetracycline HCl)	$\leq 8.0$ (%)	5.52700 %
Related Substances((HPLC)-Other impurity)	$\leq 1.5$ (%)	0.99800 %
Assay (dry basis)	$\geq 91.0$ (%)	96.41 %
Loss on drying	0-1 (%)	0.82 %
Specific Rotation $[\alpha]_{25/D(c=0.5,H_2O)}$	-250--235 (°)	-247.37000 °
pH	2.3-3.3	2.53
UV Absorbance 460nm	$\leq 0.40$	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