

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-08 15:08:18

Date of Next Testing: 2029-09-07 15:08:18

Product Name: **Oxytetracycline dihydrate**

CAS Number: 6153-64-6

Specifications & Purity: $\geq 97\%$

Lot #: K2124221

SKU #: **O107861**

Version: **1**

Analysis #: **568697**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Absorbance 353nm (1%, 1cm)	290-310	299.98600
Sulfate Ash	0-0.5 (%)	0.02680 %
Purity(HPLC)	97-100 (%)	99.97200 %
Heavy metal (as Pb)	0-50 (ppm)	17.49800 ppm
Water by Karl Fischer	6-9 (%)	7.22800 %
Impurity absorption 430nm	0-0.25	0.11780
Impurity absorption 490nm	0-0.2	0.17800
Specific rotation $[\alpha]_{25}^D(c=1, 0.1 \text{ M HCl})$	-216--203 (°)	-210.59600 °
Appearance (O107861)	yellow powder	yellow powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager