

## Certificate of Analysis

Date of Testing: 2023-04-17 16:01:56  
Date of Next Testing: 2027-04-16 16:01:56  
Product Name: **Oxytetracycline dihydrate**  
CAS Number: 6153-64-6  
Specifications & Purity: 97%  
Lot #: G1909018  
SKU #: **O107861**  
Analysis: **212627**

Parameter	Limit Values	Result
Absorbance 353nm (1%, 1cm)	290-310	300.00
Sulfate Ash	0-0.5 (%)	0.19%
Purity(HPLC)	97-100 (%)	99.97400%
Heavy metal (as Pb)	0-50 (ppm)	26.00 ppm
Water by Karl Fischer	6-9 (%)	6.90%
Impurity absorption 430nm	0-0.25	0.17
Impurity absorption 490nm	0-0.2	0.12
Specific rotation $[\alpha]_{25}^D(c=1, 0.1 \text{ M HCl})$	-216--203 (°)	-205.10000 °
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