

Certificate of Analysis

Date of Testing: 2023-05-25 16:34:38
Date of Next Testing: 2027-05-24 16:34:38
Product Name: **Oxytetracycline dihydrate**
CAS Number: 6153-64-6
Specifications & Purity: $\geq 97\%$
Lot #: E2322641
SKU #: **O107861**
Version: **1**
Analysis #: **053051**

Parameter	Limit Values	Result
Absorbance 353nm (1%, 1cm)	290-310	300.00
Sulfate Ash	0-0.5 (%)	0.03%
Purity(HPLC)	97-100 (%)	99.97400%
Heavy metal (as Pb)	0-50 (ppm)	17.50 ppm
Water by Karl Fischer	6-9 (%)	7.23%
Impurity absorption 430nm	0-0.25	0.12
Impurity absorption 490nm	0-0.2	0.18
Specific rotation $[\alpha]_{25}^D(c=1, 0.1 \text{ M HCl})$	-216 ~ -203 (°)	-210.60000 °
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