

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-21 08:50:50  
Date of Next Testing: 2029-04-20 08:50:50  
Product Name: **Doxycycline hyclate**  
CAS Number: 24390-14-5  
Specifications & Purity: Moligand™, ≥98%  
Lot #: D2516447  
SKU #: **D111943**  
Version: **0**  
Analysis #: **486622**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	0.32500 %
solvent content by GC(ethanol)	0-7 (%)	1.23400 %
Purity(HPLC)	98-100 (%)	98.65600 %
Appearance (D111943)	yellow to yellow-green powder	yellow to yellow-green powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear ,yellow to yellow-green solution,50 mg/mL	pass	Pass



John Su  
QA & QC Manager