

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-05 15:12:34
Date of Next Testing: 2029-09-04 15:12:34
Product Name: **Doxycycline hyclate**
CAS Number: 24390-14-5
Specifications & Purity: Moligand™, ≥98%
Lot #: I2503146
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 ₂ O , clear ,yellow to yellow-green solution,50 mg/mL | pass | Pass |



John Su
QA & QC Manager