

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-05 15:38:41

Date of Next Testing: 2027-03-05 15:38:41

Product Name: **Doxycycline hydrochloride**

CAS Number: 10592-13-9

Specifications & Purity: Moligand™, ≥95%

Lot #: B2423641

SKU #: **D302150**

Version: **1**

Analysis #: **316877**

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	94-102.5 (%)	98.46000 %
Purity(HPLC)	95-100 (%)	95.88100 %
Specific Rotation [α] _{20/D} (c=1, in 1ml 1M HCL+99ml Methanol)	-120--105 (°)	-109.16000 °
solvent content by GC(ethanol)	4.3-6 (%)	4.46000 %
Appearance (D302150Form)	Powder	Powder
Appearance (D302150Color)	Light Yellow	Light Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager