

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-09 09:15:51
 Date of Next Testing: 2028-09-08 09:15:51
 Product Name: **Doxycycline hydrochloride**
 CAS Number: 10592-13-9
 Specifications & Purity: Moligand™, ≥95%
 Lot #: I2505296
 SKU #: **D302150**
 Version: **1**
 Analysis #: **564264**
 Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	95.93300 %
Specific Rotation [α] _{20/D} (c=1, in 1ml 1M HCL+99ml Methanol)	-120--105 (°)	-112.48200 °
solvent content by GC(ethanol)	4.3-6 (%)	4.31000 %
Purity(Titration by AgNO ₃)	94-102.5 (%)	102.45000 %
Appearance (D302150Form)	Powder	Powder
Appearance (D302150Color)	Light Yellow	Light Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager