

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-31 10:26:12
 Date of Next Testing: 2029-03-30 10:26:12
 Product Name: **Doxycycline hydrochloride**
 CAS Number: 10592-13-9
 Specifications & Purity: Moligand™, ≥95%
 Lot #: C2627389
 SKU #: **D302150**
 Version: **1**
 Analysis #: **665615**
 Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	94-102.5 (%)	96.16000 %
Purity(HPLC)	95-100 (%)	97.81400 %
Specific Rotation [α] _{20/D} (c=1, in 1ml 1M HCL+99ml Methanol)	-120--105 (°)	-113.22900 °
solvent content by GC(ethanol)	4.3-6 (%)	5.98000 %
Appearance (D302150Form)	Powder	Powder
Appearance (D302150Color)	Light Yellow	Light Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager