

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-06 16:42:40
 Date of Next Testing: 2026-12-05 16:42:40
 Product Name: **Doxycycline hydrochloride**
 CAS Number: 10592-13-9
 Specifications & Purity: Moligand™, ≥95%
 Lot #: K2330143
 SKU #: **D302150**
 Version: **1**
 Analysis #: **078374**
 Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	94-102.5 (%)	96.97000 %
Purity(HPLC)	95-100 (%)	97.58900 %
Specific Rotation [α] _{20/D} (c=1, in 1ml 1M HCL+99ml Methanol)	-105~-120 (°)	-113.06700 °
solvent content by GC(ethanol)	4.3-6 (%)	4.60000 %
Appearance (D302150Form)	Powder	Powder
Appearance (D302150Color)	Light Yellow	Light Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager