

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-19 17:29:40
 Date of Next Testing: 2029-11-18 17:29:40
 Product Name: **Doxorubicin hydrochloride**
 CAS Number: 25316-40-9
 Specifications & Purity: Moligand™, ≥98%
 Lot #: K2513259
 SKU #: **D107159**
 Version: **0**
 Analysis #: **595178**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.92000 %
Water by Karl Fischer(in 2-Methoxyethanol)	0-3 (%)	0.92070 %
Specific Rotation [α] _{20/D} (c=0.1 in MeOH)	240-270 (°)	269.00000 °
Appearance (D107159)	Orange to Red-Brown Powder	Orange to Red-Brown Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Orange to Red,Clear,50 mg/mL	pass	Pass



John Su
QA & QC Manager