

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-19 16:51:58  
Date of Next Testing: 2029-11-18 16:51:58  
Product Name: **Doxorubicin hydrochloride**  
CAS Number: 25316-40-9  
Specifications & Purity: Moligand™, ≥98%  
Lot #: K2513261  
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 (%)	0.92 %
Specific Rotation [α] <sub>20</sub> /D(c=0.1 in MeOH)	240-270 (°)	269.00 °
Appearance (D107159)	Orange to Red-Brown Powder	Orange to Red-Brown Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Orange to Red, Clear, 50 mg/mL	pass	Pass



John Su  
QA & QC Manager