

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-21 13:54:42
 Date of Next Testing: 2029-10-20 13:54:42
 Product Name: **Doxorubicin hydrochloride**
 CAS Number: 25316-40-9
 Specifications & Purity: Moligand™, ≥98%
 Lot #: J2514059
 SKU #: **D107159**
 Version: **0**
 Analysis #: **513644**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer(in 2-Methoxyethanol)	0-3 (%)	0.60440 %
Purity(HPLC)	98-100 (%)	98.50500 %
Specific Rotation [α] ₂₀ /D(c=0.1 in MeOH)	240-270 (°)	269.20000 °
Appearance (D107159)	Orange to Red-Brown Powder	Orange to Red-Brown Powder
Solubility in H ₂ O , Orange to Red, Clear, 50 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager