

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-22 11:58:53
Date of Next Testing: 2026-08-21 11:58:53
Product Name: **Doxorubicin hydrochloride**
CAS Number: 25316-40-9
Specifications & Purity: 98%
Lot #: H2212112
SKU #: **D107159**
Analysis: 112380
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.93000 %
Water by Karl Fischer(in 2-Methoxyethanol)	0-3 (%)	0.43 %
Specific Rotation [α] ₂₀ /D(c=0.1 in MeOH)	240-270 (°)	269.98 °
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