

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-28 12:58:33
Date of Next Testing: 2027-03-27 12:58:33
Product Name: **Doxorubicin hydrochloride**
CAS Number: 25316-40-9
Specifications & Purity: 98%
Lot #: C2316704
SKU #: **D107159**
Analysis: 154308
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.33300 %
Water by Karl Fischer(in 2-Methoxyethanol)	0-3 (%)	0.79 %
Specific Rotation $[\alpha]_{20/D}(c=0.1 \text{ in MeOH})$	240-270 (°)	269.98 °
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