

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-09 14:39:19  
Date of Next Testing: 2026-02-08 14:39:19  
Product Name: **Doxorubicin hydrochloride**  
CAS Number: 25316-40-9  
Specifications & Purity: 97%  
Lot #: B2207234  
SKU #: **D396221**  
**Analysis: 071612**  
Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.86900 %
Specific Rotation $[\alpha]_{20}^D(c=0.1 \text{ in MeOH})$	240-270 (°)	260.15 °
Appearance(D396221)	Orange to Red-Brown Powder or solid	Orange to Red-Brown Powder or solid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager