

Certificate of Analysis

Date of Testing: 2024-11-19 16:58:46
Date of Next Testing: 2028-11-18 16:58:46
Product Name: **Doxorubicin hydrochloride**
CAS Number: 25316-40-9
Specifications & Purity: $\geq 97\%$
Lot #: K2406156
SKU #: **D396221**
Version: **1**
Analysis #: **438647**
Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.73400 %
Specific Rotation $[\alpha]_{20}^D(c=0.1 \text{ in MeOH})$	240-270 ($^{\circ}$)	269.80 $^{\circ}$
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