

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-25 13:23:47
Date of Next Testing: 2026-06-24 13:23:47
Product Name: **Gemcitabine hydrochloride**
CAS Number: 122111-03-9
Specifications & Purity: 98%
Lot #: F2222019
SKU #: **G120180**
Analysis: **093402**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(total nitrogen)	98-100 (%)	99.20%
Purity(HPLC)	98-100 (%)	99.73100%
Specific Rotation [a] ₂₀ /D(c=1 in H ₂ O)	46-49 (°)	48.98°
Appearance (G120180)	Powder	Powder
Solubility ≥10 mg/mL in H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager