

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-24 16:38:01  
Date of Next Testing: 2026-06-23 16:38:01  
Product Name: **Gemcitabine hydrochloride**  
CAS Number: 122111-03-9  
Specifications & Purity: 98%  
Lot #: F2222060  
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 [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	46-49 (°)	48.98°
Appearance (G120180)	Powder	Powder
Solubility ≥10 mg/mL in H <sub>2</sub> O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager