

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-27 13:04:15  
Date of Next Testing: 2028-04-26 13:04:15  
Product Name: **Gemcitabine hydrochloride**  
CAS Number: 122111-03-9  
Specifications & Purity: 98%  
Lot #: D2415054  
SKU #: **G120180**  
**Analysis:** **337932**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	46-49 (°)	48.37°
Purity( total nitrogen )	98-100 (%)	99.58%
Purity(HPLC)	98-100 (%)	99.96800%
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