

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-11 13:53:14  
Date of Next Testing: 2026-08-10 13:53:14  
Product Name: **Gemcitabine hydrochloride**  
CAS Number: 122111-03-9  
Specifications & Purity: 98%  
Lot #: J1811195  
SKU #: **G120180**  
**Analysis:** **123978**  
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 (°)	47.40°
Purity( total nitrogen )	98-100 (%)	98.12%
Purity(HPLC)	98-100 (%)	99.65300%
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