

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-12 15:05:08  
Date of Next Testing: 2028-11-11 15:05:08  
Product Name: **Gemcitabine hydrochloride**  
CAS Number: 122111-03-9  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2406358  
SKU #: **G120180**  
Version: **3**  
Analysis #: **423427**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	46-49 (°)	48.67°
Purity(HPLC)	98-100 (%)	99.98800%
Appearance (G120180)	Powder	Powder
Solubility $\geq 10 \text{ mg/mL in H}_2\text{O}$	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager