

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-25 13:24:38
Date of Next Testing: 2026-06-24 13:24:38
Product Name: **Gemcitabine hydrochloride**
CAS Number: 122111-03-9
Specifications & Purity: 98%
Lot #: F2222056
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