

## Certificate of Analysis

Date of Testing: 2024-04-27 15:14:00  
Date of Next Testing: 2028-04-26 15:14:00  
Product Name: **Fludarabine phosphate**  
CAS Number: 75607-67-9  
Specifications & Purity: 99%  
Lot #: D2418325  
SKU #: **F122999**  
**Analysis:** **335491**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	11-13 (°)	11.40°
Purity(HPLC)	99-100 (%)	100.00000 %
Appearance (F122999)	white powder	White powder
NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Colorless Clear(0.95 - 1.05 mg/ml)	Conforms	Conforms



John Su  
QA & QC Manager