

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-02 11:37:56  
Date of Next Testing: 2028-08-01 11:37:56  
Product Name: **5-Fluoro-2'-deoxyuridine**  
CAS Number: 50-91-9  
Specifications & Purity: 99%  
Lot #: G2425403  
SKU #: **F110732**  
Version: **0**  
Analysis #: **337928**  
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)                 | 35-40 (°)                                     | 35.74°  |
| Melting point   | 150-153 (°C)                                  | 151.24000 °C                                  |
| Purity(HPLC)  | 99-100 (%)                                    | 99.26000 %                                    |
| EmM   | 8.6-8.9                                       | 8.88  |
| Wave Length   | 268-270 (nm)                                  | 268.00 nm                                     |
| Infrared spectrum   | Conforms to Structure                         | Conforms to Structure                         |
| Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O | pass  | Pass  |
| Appearance (F110732)  | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |



John Su  
QA & QC Manager