

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-27 18:23:50  
 Date of Next Testing: 2027-06-26 18:23:50  
 Product Name: **2'-Deoxyuridine**  
 CAS Number: 951-78-0  
 Specifications & Purity: 99%  
 Lot #: F2316678  
 SKU #: **D100363**  
**Analysis:** **231786**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Ignition Residue (as sulfate)                              | 0-0.1 (%)             | 0.06 %                |
| Purity(HPLC)   | 99-100 (%)            | 99.33100 %            |
| Loss on drying   | 0-1 (%)               | 0.09 %                |
| Melting point  | 164-168 (°C)          | 167.77000 °C          |
| A250/A260  | 0.7-0.74              | 0.72                  |
| Heavy metal (as Pb)  | 0-10 (ppm)            | 0.00 ppm              |
| A280/A260  | 0.33-0.43             | 0.38                  |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in W/V in NaOH) | 50-54 (°)             | 50.12°                |
| Appearance (D100363)                                       | White crystal powder  | White crystal powder  |
| Proton NMR spectrum  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager