

## Certificate of Analysis

Date of Testing: 2024-05-11 16:29:38  
Date of Next Testing: 2028-05-10 16:29:38  
Product Name: **2'-Deoxyuridine**  
CAS Number: 951-78-0  
Specifications & Purity: 99%  
Lot #: E2406389  
SKU #: **D100363**  
**Analysis:** **336762**  
Storage Temperature: Store at -20°C, Argon charged

| Parameter  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Melting point  | 164-168 (°C)          | 166.80000 °C          |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in W/V in NaOH) | 50-54 (°)             | 51.80°                |
| Purity(HPLC)   | 99-100 (%)            | 99.20000 %            |
| Ignition Residue (as sulfate)                              | 0-0.1 (%)             | 0.08 %                |
| Loss on drying   | 0-1 (%)               | 0.80 %                |
| A250/A260  | 0.7-0.74              | 0.73                  |
| A280/A260  | 0.33-0.43             | 0.42                  |
| Heavy metal (as Pb)  | 0-10 (ppm)            | 8.50 ppm              |
| Proton NMR spectrum  | Conforms to Structure | Conforms to Structure |
| Appearance (D100363)                                       | White crystal powder  | White crystal powder  |



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QA & QC Manager