

## Certificate of Analysis

Date of Testing: 2023-06-27 18:22:54  
Date of Next Testing: 2027-06-26 18:22:54  
Product Name: **2'-Deoxyuridine**  
CAS Number: 951-78-0  
Specifications & Purity: 99%  
Lot #: F2316681  
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