

## Certificate of Analysis

Date of Testing: 2023-01-11 16:06:47  
Date of Next Testing: 2027-01-10 16:06:47  
Product Name: **2'-Deoxyuridine**  
CAS Number: 951-78-0  
Specifications & Purity: 99%  
Lot #: A2306519  
SKU #: **D100363**  
**Analysis: 154294**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.1 (%)	0.05 %
Purity(HPLC)	99-100 (%)	99.87900 %
Loss on drying	0-1 (%)	0.05 %
Melting point	164-168 (°C)	167.58000 °C
A250/A260	0.7-0.74	0.72
Heavy metal (as Pb)	0-10 (ppm)	5.30 ppm
A280/A260	0.33-0.43	0.37
Specific Rotation [α] <sub>20</sub> /D(c=1 in W/V in NaOH)	50-54 (°)	50.01°
Appearance (D100363)	White crystal powder	White crystal powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager