

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	00106
<b>Product</b>	<b>2'-Deoxyuridine</b>
<b>Lot Number</b>	02106004
	2'-dU
	Uracil deoxyriboside
<b>CAS Number</b>	951-78-0
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	228.2

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<b>Appearance</b>	White to off-white crystalline powder
<b>Melting Point</b>	165.5 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = 30.6 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.1%
<b>Related Substances</b>	Total level of impurities : < 3% 2DR : < 1.5% Other impurities : < 1.5%
<b>Residue On Ignition</b>	0.1%
<b>Assay</b>	98.2% (UV, Dry basis)
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Color (UV. Abs.) : 0.005% Uracil (HPLC Area%) : 0.1%
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager