

Certificate of Analysis

Date of Testing: 2022-01-22 14:24:54

Date of Next Testing: 2024-01-12 14:24:54

Product Name: **5-Iodo-2'-deoxyuridine**

CAS Number: 54-42-2

Specifications & Purity: 99%

Lot #: A2218539

SKU #: **I101755**

Analysis: **060987**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L NaOH})$	28-31 (°)	29.21°
Purity(HPLC)	99-100 (%)	99.16900 %
Purity(Neutralization titration)	99-101 (%)	100.00 %
Appearance (I101755)	White to off-white powder, needles and/or Chunks	White to off-white powder, needles and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1M NH ₄ OH , clear colorless to light yellow solution, 50mg/ml	pass	Pass



John Su
QA & QC Manager