

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-18 10:22:48

Date of Next Testing: 2026-01-07 10:22:48

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

CAS Number: 54-42-2

Specifications & Purity: $\geq 99\%$

Lot #: A2411595

SKU #: **I101755**

Version: **0**

Analysis #: **302195**

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 (°)	28.17400 °
Purity(HPLC)	99-100 (%)	99.19800 %
Purity(Neutralization titration)	99-101 (%)	99.63000 %
Appearance (I101755)	White to off-white powder, needles and/or Chunks	White to off-white powder, needles and/or Chunks
Solubility in 1M NH ₄ OH , clear colorless to light yellow solution, 50mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager