

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-11 23:26:25
 Date of Next Testing: 2025-03-31 23:26:25
 Product Name: **5-Iodo-2'-deoxyuridine**
 CAS Number: 54-42-2
 Specifications & Purity: $\geq 99\%$
 Lot #: D2303482
 SKU #: **I101755**
 Version: **0**
 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 (°)	29.20600 °
Purity(HPLC)	99-100 (%)	99.16900 %
Purity(Neutralization titration)	99-101 (%)	100.00000 %
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