

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-16 13:31:39
Date of Next Testing: 2027-10-06 13:31:39
Product Name: **5-Iodo-2'-deoxyuridine**
CAS Number: 54-42-2
Specifications & Purity: $\geq 99\%$
Lot #: A2411574
SKU #: **I101755**
Version: **0**
Analysis #: **588600**
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 (°)	28.17200 °
Purity(HPLC)	99-100 (%)	99.19600 %
Purity(Neutralization titration)	99-101 (%)	99.62800 %
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