

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-01-22 14:32:51

Date of Next Testing: 2024-01-12 14:32:51

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

CAS Number: 54-42-2

Specifications & Purity:  $\geq 99\%$

Lot #: A2218493

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 <sub>4</sub> OH , clear colorless to light yellow solution, 50mg/ml | pass                                             | Pass                                             |



John Su  
QA & QC Manager