

Certificate of Analysis

Date of Testing: 2022-06-06 10:28:43
 Date of Next Testing: 2026-06-05 10:28:43
 Product Name: **Thymidine**
 CAS Number: 50-89-5
 Specifications & Purity: 99%
 Lot #: F2201118
 SKU #: **T104771**
Analysis: **083522**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Spectrophotometry (UV)	98-102 (%)	100.00 %
Purity(HPLC)	99-100 (%)	99.70800 %
Thymidine	0-0.2 (%)	0.10 %
A280/A260	0.7-0.74	0.72
Melting point	185-190 (°C)	188.98000 °C
Water by Karl Fischer	0-0.5 (%)	0.06 %
Sulfate Ash	0-0.1 (%)	0.05 %
Heavy metal (as Pb)	0-10 (ppm)	5.00 ppm
Total impurities	0-0.5 (%)	0.30 %
A250/A260	0.63-0.67	0.65
Specific Rotation [α] ₂₀ /D(c=3 in W/V in 17.5-19.1 (°) H ₂ O)		18.56 °
Appearance (T104771)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager