

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-04 11:05:42
 Date of Next Testing: 2030-06-03 11:05:42
 Product Name: **Thymidine**
 CAS Number: 50-89-5
 Specifications & Purity: Moligand™, ≥99%
 Lot #: F2602470
 SKU #: **T104771**
 Version: **1**
 Analysis #: **707153**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Spectrophotometry (UV)	98-102 (%)	100.52800 %
Specific Rotation [α] ₂₀ /D(c=3 in W/V in H ₂ O)	17.5-19.1 (°)	17.69500 °
Purity(HPLC)	99-100 (%)	99.38700 %
Thymidine	0-0.2 (%)	0.02520 %
A280/A260	0.7-0.74	0.72630
Melting point	185-190 (°C)	188.89000 °C
Sulfate Ash	0-0.1 (%)	0.03250 %
Heavy metal (as Pb)	0-10 (ppm)	0.10500 ppm
Total impurities	0-0.5 (%)	0.13600 %
A250/A260	0.63-0.67	0.65280
Water by Karl Fischer	0-0.5 (%)	0.48000 %
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



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

John Su
QA & QC Manager