

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-23 14:22:17
 Date of Next Testing: 2029-04-22 14:22:17
 Product Name: **Thymidine**
 CAS Number: 50-89-5
 Specifications & Purity: Moligand™, ≥99%
 Lot #: D2510431
 SKU #: **T104771**
 Version: **1**
 Analysis #: **489228**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Spectrophotometry (UV)	98-102 (%)	100.43500 %
Specific Rotation [α] ₂₀ /D(c=3 in W/V in H ₂ O)	17.5-19.1 (°)	18.11200 °
Purity(HPLC)	99-100 (%)	100.00000 %
Thymidine	0-0.2 (%)	0.10200 %
A280/A260	0.7-0.74	0.72500
Melting point	185-190 (°C)	189.64000 °C
Water by Karl Fischer	0-0.5 (%)	0.04170 %
Sulfate Ash	0-0.1 (%)	0.02360 %
Heavy metal (as Pb)	0-10 (ppm)	0.52400 ppm
Total impurities	0-0.5 (%)	0.11400 %
A250/A260	0.63-0.67	0.65350
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



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager