

## Certificate of Analysis

Date of Testing: 2022-06-06 11:20:25  
 Date of Next Testing: 2026-06-05 11:20:25  
 Product Name: **Thymidine**  
 CAS Number: 50-89-5  
 Specifications & Purity: 99%  
 Lot #: F2201112  
 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] <sub>20</sub> /D(c=3 in W/V in 17.5-19.1 (°) H <sub>2</sub> 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

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager