

Certificate of Analysis

Date of Testing: 2022-06-06 10:03:49
 Date of Next Testing: 2026-06-05 10:03:49
 Product Name: **Thymidine**
 CAS Number: 50-89-5
 Specifications & Purity: 99%
 Lot #: F2201123
 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

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