

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2024-10-30 14:49:10
Date of Next Testing: 2028-10-29 14:49:10
Product Name: **Thymidine**
CAS Number: 50-89-5
Specifications & Purity: Moligand™, ≥99%
Lot #: J2425149
SKU #: **T104771**
Version: **1**
Analysis #: **246621**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Spectrophotometry (UV)	98-102 (%)	99.60000 %
Purity(HPLC)	99-100 (%)	99.94400 %
Thymidine	0-0.2 (%)	0.10000 %
A280/A260	0.7-0.74	0.72000
Water by Karl Fischer	0-0.5 (%)	0.15080 %
Sulfate Ash	0-0.1 (%)	0.05000 %
Heavy metal (as Pb)	0-10 (ppm)	0.33000 ppm
Total impurities	0-0.5 (%)	0.21000 %
A250/A260	0.63-0.67	0.65100
Specific Rotation [α] ₂₀ /D(c=3 in W/V in 17.5-19.1 (°) H ₂ O)		17.52000 °
Melting point	185-190 (°C)	189.86000 °C
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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