



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-397
Product	Thymidine
Lot Number	002002-20042004 2'-Deoxythymidine 1-(2-Deoxy-β-D-ribofuranosyl)-5-methyluracil
CAS Number	50-89-5
Molecular Formula	C ₁₀ H ₁₄ N ₂ O ₅
Molecular Weight	242.23

Appearance	White to off-white powder
Melting Point	186.8 °C
Heavy Metals	< 10 ppm
Water Content (Karl Fisher)	0.02%
Optical Rotation	[α] _D ²⁰ = 19 °
Residue On Ignition	< 0.3%
¹ H NMR	Conforms to structure
Purity by HPLC	99.65%
Storage	Store at RT

Prepared by:

Ramesh Mandadi

Ramesh Mandadi
Director of Operations

Reviewed and Approved by:

Sujata Moton

Sujata Moton
VP