



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Thymidine, cell culture reagent
Catalog Number: 194754_
Lot: 6860H_

Formula: C₁₀H₁₄N₂O₅

CAS #: 50-89-5

Physical Description: Off-white Powder

Formula Weight: 242.23

Storage: Room Temperature

Test	Specification	Results
Identity Test	Passes	Passes
Purity	≥99%	99.65%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	185 - 191°C	190 - 191°C
UV/Vis: □ max (0.1N HCl)	266 - 267 nm	267 nm
OD250/OD260	0.59 - 0.67	0.66
OD280/OD260	0.67 - 0.74	0.72
OD290/OD260	0.19 - 0.25	0.24
Optical Rotation (c=1, water)	Report Result	+18.20°

Loss of Drying: 0.29%

Sulphated Ash: 0.08%

03/17/2005 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

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