

# Certificate of Analysis

SIGMA-ALDRICH®

**Product Name** Thymidine,  
≥99%  
**Product Number** T9250  
**Product Brand** SIGMA  
**CAS Number** [50-89-5](#)  
**Molecular Formula** C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight** 242.23

## TEST

### APPEARANCE

### SOLUBILITY

### ULTRAVIOLET/VISIBLE SPECTRUM

### PURITY BY HPLC

### RECOMMENDED RETEST

### QC RELEASE DATE

### PRODUCT CROSS

### REFERENCE

### INFORMATION

## SPECIFICATION

WHITE POWDER

CLEAR COLORLESS

SOLUTION AT 200 MG  
PLUS 4 ML OF WATER

EMM = 9.5 TO 9.7 AT  
LAMBDA MAX 267 TO  
268 NM AT PH 7.0

MINIMUM 99%

5 YEARS

## LOT 044K1081 RESULTS

CONFORMS

CONFORMS

EMM = 9.7 AT LAMBDA  
MAX 267NM

100%

APRIL 2009

APRIL 2004

REPLACEMENT FOR  
ALDRICH #855006



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