

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00306
Lot Number	001237-01662
Product	Thymidine 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 crystalline powder
Solubility	Clear colorless solution at 50 mg/mL water
Melting Point	189 °C
Heavy Metals	< 10 ppm
Water Content (Karl Fisher)	0.3%
Optical Rotation	$[\alpha]_D^{20} = +18.5^\circ$
Loss on Drying	0.3%
Residue On Ignition	< 0.3%
Purity by HPLC	99.9%
Purity by UV	101% (Anhydrous basis)
Storage	Store at RT
Manufacturing Date	8/21/2014
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager