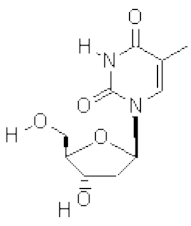




HANGZHOU DINGYAN CHEM CO., LTD
Tel:86-571-87157530 Fax:86-571-87156470
Email:sales@dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: **DYC051506112**

Product name	BETA-THYMIDINE
CAS Number	50-89-5
Molecule Structure	
Molecule Formula	C ₁₀ H ₁₄ N ₂ O ₅
Batch number	20140796C
Manuf. Date	2014-07-29
Testing date	2014-07-29

Items	Standard	Result
Appearance	White crystalline powder	Qualified
Assay by HPLC	Not less than 99.0%(On anhydrous basis)	100.0%
Purity(By HPLC % Area)	Not less than 99.0%	99.4%
Any individual unknown impurity	Not more than 0.5%	0.3%
Total impurities(By HPLC% Area)	Not more than 1.0%	0.6%
Loss on drying	Not more than 0.5%	0.12%
Water content(By KF)	Not more than 0.20%	0.04%
Clarity and Color of solution	A clear and colorless solution	Qualified
Residue on ignition	Not more than 0.5%	0.05%
Specific Optical Rotation(3.0% in Water at 20 °C,Calculated on anhydrous basis)	Between +17.5 °and+19.1 °	+18.3 °
Melting Point	183-191 °C	188-189 °C
Methanol	Not more than 2500ppm	629ppm
DMF	Not more than 880ppm	36ppm
Conclusion	The product meets the requirement of standard	

ADD:RM 1118, NO.I BUILDING, BAIYUN TOWER, JIANGGAN AREA, HANGZHOU CITY, CHINA



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QUALITY CONTROL:

Hangzhou Dingyan Chem Co., Ltd.

Quality Control *Buddy Chan*

Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风