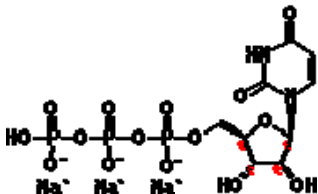


**HANGZHOU DINGYAN CHEM CO.,LTD**

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E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS**NO: DYC091608231**

Product Name	Uridine Triphosphate Trisodium salt (UTP-Na3)
CAS Number	19817-92-6
Molecule Structure	
Molecule Formula	C ₉ H ₁₁ N ₂ O ₁₅ P ₃
Batch number	20160711
Manufacture Date	2016-07-11
Testing Date	2016-07-16

Items	Standard	Result
Appearance	White or off-white powder	Conform
Identification	Maximum absorption at $\lambda = 262 \pm 2\text{nm}$ $A_{250}/A_{260} = 0.70 - 0.80$ $A_{280}/A_{260} = 0.33 - 0.43$	261.9nm $A_{250}/A_{260} = 0.74$ $A_{280}/A_{260} = 0.37$
	The identification of solution is sodium flame reaction	Conform
PH value	3.0 - 7.0	3.1
Clarity and color	Clarify, colorless	Conform
Loss on drying	$\leq 15.0\%$	5.6%
Protein	Turbidity not occurred	Conform
Heavy metals	$\leq 0.002\%$	$< 0.002\%$
Choloride	$\leq 0.2\%$	$< 0.2\%$

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Assay (HPLC)	$\geq 90.0\%$	93.3%
Contents	$\geq 80.0\%$	89.0%
Conclusion	Meet the requirements of Q/MYHA 008-2015	

Hangzhou Dingyan Chem Co., Ltd.
Quality Control
QUALITY CONTROL: *Park* CHECK: 姚仙娟 INSPECTOR: 刘清风

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