

**HANGZHOU FORTUNE BIOPHARM CO.,LTD.**

杭州泛青生物医药有限公司

CERTIFICATE OF ANALYSIS

Product Name	Uridine-5'- Monophosphate Disodium salt(UMP-Na ₂)		
CAS NO.:	3387-36-8		
According to	Enterprise Standard	Batch No.	160603
Package	Fiber drum	Manufacturing date	Jun.03,2016
Package Size	10kgs/drum	Report date	Jun.05,2016
Quantity	300kgs	Retest date	Jun.02,2018

Items	Specification	Results	Method of Analysis
Appearance	White or off-white powder,no impurity seen by normal sight.	Complies	Observation by eyes
Identification	A250/A260=0.36~0.40 A280/A260=0.71~0.77 λmax=262nm	0.39 0.72	UV
pH	7.0~8.5	7.87	pH meter
Clarity and color of solution	Should be clear and colorless	Complies	CP2010 appendix
Water content	≤26.0%	19.9%	Karl Fisher
Purity(HPLC)	≥98.0%	99.7%	HPLC
Assay(on dry basis)	≥97.0%	97.3%	UV
Microbiology test			
Total plate count	≤10000 cfu/g	100cfu/g	CP2010 appendix
total yeast and moulds	≤ 100 cfu/g	Not detected	
E.Coli	absent in 1g	Not detected	
Salmonella	absent in 10g	Not detected	
Staphylococcus aureus	absent in 1g	Not detected	
Listeria monocytogenes	≤100 cfu/g	Not detected	
Heavy metals			
Heavy metals	≤10ppm	Complies	ICP-MS
Arsenic	≤0.00015%	Complies	
Lead (Pb)	<3ppm	2ppm	
Cadmium (Cd)	<1ppm	Not detected	
Mercury (Hg)	<0,1ppm	Not detected	
Conclusion: Complies with above standard.			

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