



HANGZHOU FORTUNE BIOPHARM CO.,LTD.

杭州泛青生物医药有限公司

CERTIFICATE OF ANALYSIS

Product Name	Melatonin		
CAS NO.:	73-31-4		
According to	USP36	Batch No.	20170703
Package	Fiber drum	Manufacturing date	Jul.03,2017
Package Size	25kgs/drum	Report date	Jul.06,2017
Quantity	100kgs	Retest date	Jul.02,2019

Items		Specification	Results
Appearance		A white to off-white crystalline powder. Slightly soluble in water,soluble in acetone, ethyl acetate and methanol.	Conforms
Identification	HPLC	RT of sample corresponds to that of reference chromatogram.	Conforms
	IR	IR spectrum should comply with the reference spectrum.	Conforms
	UV	Meets the requirements.	Conforms
Chloride and sulfate		NMT 0.02%	Conforms
Loss on drying		NMT 1.0%	0.20%
Residue on ignition		NMT 0.1%	0.06%
Heavy metals		NMT 20 mg/g	Conforms
Related compounds	Individual impurities:NMT 0.1%		0.07%
	Total impurities: NMT 1.0%		0.58%
Assays(on the dried basis)		98.5-101.5%	99.51%
Conclusion: The above material conforms to the standard of USP36.			

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