



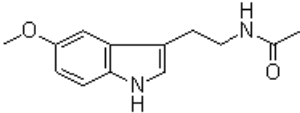
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC091702137**

Product Name	Melatonine (USP38)
CAS Number	73-31-4
Molecule Formula	C ₁₃ H ₁₆ N ₂ O ₂
Molecule Structure	
Batch Quantity	150 KGS
Batch Number	1607216
Mfg. Date	2016-07-21
Testing Date	2016-07-22

Item	Standard	Result
Appearance	White to off-white crystalline powder	Conform
Identification	IR, UR, HPLC should conform	Conform
Solubility	Soluble in acetone, ethyl acetate & in methanol; Slightly soluble in water	Conform
Loss on drying	≤1.0%	0.09%
Residue on ignition	≤0.1%	0.04%
Heavy metals	≤20ppm	<20ppm
Chloride & Sulfate	≤0.02%	Conform
Related substances	Any single impurity≤0.1%	0.058%
	Total impurities≤1.0%	0.48%
Assay	98.5~101.5%(on dried basis)	99.65%
Storage	Stored in tight container in cool & dry place; Avoid exposure to sunlight.	
Shelf life	2 years	
Conclusion	This product meets the requirements of USP38.	

QUALITY CONTROL: 
Hangzhou Dingyan Chem Co., Ltd.
Quality Control

CHECK: 姚仙娟

INSPECTOR: 刘清风