

CERTIFICATE OF ANALYSIS

Product Name	Melatonin	Batch No	PY-ME20190331
Quantity	250KG	Analysis Date	Apr.02,2019
Mfg. Date	Mar.31,2019	Exp. Date	Mar.30,2021
Package	25kg/Drum	Standard	USP40

No.	Item	Specification	Result
1.	Appearance	A white to off-white crystalline powder	Complies
2.	Solubility	Slightly soluble in water, soluble in acetone, ethyl acetate and methanol	Complies
3.	Identification	A: IR B: UR C: HPLC	Complies Complies Complies
4.	Loss on Drying	≤1.0%	0.07%
5.	Residue on Ignition	≤0.1%	0.05%
6.	Chloride & Sulfate	≤0.02%	<0.02%
7.	Pb	≤1ppm	<1ppm
8.	As	≤1.5ppm	<1.5ppm
9.	Cd	≤0.5ppm	<0.5ppm
10.	Hg	≤1.5ppm	<1.5ppm
11.	Related Compounds	Individual Impurities≤0.1% Total Impurities≤1.0%	0.049% 0.80%
12.	Assay	98.5%-101.5%	99.36%
13.	Conclusion	Conform with USP40 Standard.	

Analyst: xuli

QC: lixiaochen