

**CERTIFICATE OF ANALYSIS**

Product name	<b>Melatonin (Cas 73-31-4)</b>		
Batch No.	20201206	Mfg. date	2020.12.06
Rep. Date	2020.12.13	Exp. date	2023.12.05
Packaging	25kg/Drum	Batch Quantity	500KG
Test Items	Standards: USP42		Results
Appearance	White to off-white crystalline powder		White powder
Solubility	Slight soluble in water, soluble in acetone, ethyl acetate and methanol		conforms
Identification	IR/UV/HPLC		Conforms
Chloride and sulphate	NMT0.02%		<0.02%
Related Substances(HPLC)	Single impurity: NMT0.1% Total impurities: NMT1.0%%		0.033% 0.12%
Loss on drying	NMT1.0%		0.08%
Residue on ignition	NMT0.1%		0.05%
Heavy metals	Pb:NMT1ppm As:NMT1.5ppm Hg:NMT1.5ppm Cd:NMT0.5ppm		<1ppm <1.5ppm <1.5ppm <0.5ppm
Assay (on dried basis)	98.5%~101.5%		99.92%
Conclusion	It meets the requirements of USP42 Standards		
Storage	Store in a well-closed container at ambient temperature		
Prepared by: LI	Reviewed by: WEI	Released by:Zhang	