西安金泰生物技术有限公司
Xi'an Kintai Biotech Inc.

Certificate of Analysis

Product Name	Melatonin	**CAS No.**	73-31-4
Lot No.	ME20260620	**Batch Quantity**	100Kg
Mfg Date	2026/06/20	**Test Date**	2026/06/21
Expiring Date	2028/06/20	**Country of origin**	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	**Specification**	**Results**	**Test Method**
Assay	98.5-101.5%	101.1%	HPLC
Physical and chemical properties			
Appearance	White to off-white powder	Complies	Visual
Residue on Ignition	≤0.1%	0.04%	USP<281>
Loss on drying	≤0.5%	0.37%	USP<731>
Individual impurity	≤0.1%	≤0.06%	HPLC
Total impurities	≤ 1.0 %	≤ 0.21 %	HPLC
Chloride and Sulfate	≤ 0.02 %	<0.02%	USP<221>
Solvent Residue	Dichloromethane≤ 600ppm Ethanol≤ 5000ppm	41ppm 7ppm	GC
Heavy Metals			
Arsenic	≤ 1.0 ppm	Complies	ICP-MS
Lead	≤ 2.0 ppm	Complies	ICP-MS
Mercury	≤ 0.1 ppm	Complies	ICP-MS
Cadmium	≤ 1.0 ppm	Complies	ICP-MS
Microbiology			
Total Plate Count	≤1000 cfu/g	Complies	USP<2021>
Yeast & Mold	≤ 50 cfu/g	Complies	USP<2021>
E.Coli	Negative	Complies	USP<2022>
Salmonella	Negative	Complies	USP<2022>
***Storage:** Store in a cool and dry place, keep away from heat and direct light.			
***Shelf life:** 2 years when properly stored.			
Conclusion	Conform with specification.		

Analyst: Yu Xiaofang **Checker: Lu Pengfei** **Q.C.: Wang Pan**

Factory Address: East 16-3-1, Zhongnan High-tech Airport Industrial Park, Airport New City, Xixian New Area, Shaanxi, China.
Tel: +86-29-8525 4454 **Cell phone:** +86-133 4743 6038
Email: natural@kintaibio.com **Web:** www.kintainutri.com