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SPECIFICATION SHEET

Melatonin 99%

Product Name	Melatonin	**CAS No.**	73-31-4
Molecular Formula	C13H16N2O2	**Molecular Weight**	232.28

Test Item	Specification	Test Method
Appearance	White or off-white crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to RS	USP <197K>
Assay (on dried basis)	98.5%~101.5%	HPLC
Melting Range	116.0~120.0 ℃	USP <741>
Loss on Drying	≤ 1.0%	USP <731>
Residue on Ignition	≤ 0.1%	USP <281>
Individual Impurity	≤ 0.1%	HPLC
Total Impurity	≤ 1.0%	HPLC
Particle Size	NLT 90% through 80 mesh	USP <786>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 1.0 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 100 cfu/g	USP <2021>
E. coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 36 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Mar. 26, 2026