



Certificate of Analysis

Product Name	Melatonin	Specification	10%, Water-soluble
CAS No.	73-31-4	Batch No.	MW1025120201
Report No.	S17102512001	MFG Date	Dec. 2nd, 2025
EXP Date	Dec. 1st, 2027	Standard	In house

Item	Specification	Results	Methods
Appearance	Off-white or white powder	Conforms	Visual
Identity	Retention time must conform	Conforms	HPLC
Water	NMT 5.0%	3.4%	USP<731>
Ash	NMT 5.0%	0.08%	USP<281>
Heavy metals	NMT 10 ppm	Conforms	CP2025<0821>
Lead	NMT 2.0 ppm	Conforms	ICP-MS
Cadmium	NMT 1.0 ppm	Conforms	ICP-MS
Arsenic	NMT 1.0 ppm	Conforms	ICP-MS
Mercury	NMT 0.1 ppm	Conforms	ICP-MS
Assay (on dry basis)	9.5%-10.5%	9.96%	HPLC
Total aerobic bacteria	NMT 1000 CFU/g	<100 CFU/g	GB4789.2
Yeast & mold	NMT 50 CFU/g	<10 CFU/g	GB4789.15
Coliform group	NMT 0.92 MPN/g	<0.3 MPN/g	GB4789.3
E. coli	Absent/g	ND	GB4789.38
Salmonella	Absent/25g	ND	GB4789.4
Staphylococcus	Absent/g	ND	GB4789.10

Storage: Normal temperature, airtight, dark storage.

Remarks: *Non-Irradiation *Non-ETO *Non-Excipients