MELATONIN

Specification code M/1/OP/E/ENG

Date 09.10.2025

ITEM		SPECIFICATION	STANDARD REFERENCE
Physical	Appearance	White Crystalline powder	Visual
	Loss on drying	≤0.5%	2g/105℃/5hrs
	Residue on ignition	≤0.5%	2g/105℃/5hrs
	Odor & Taste	Characteristic	Sensory
	Melting range	117.0-120℃	USP
	Particle size	100% pass 40 mesh	Sieve
Chemical	Heavy metals	≤10ppm	Colometric method
	Arsenic(As)	≤2ppm	AFS
	Lead(Pb)	≤2ppm	AFS
	Cadmium(Cd)	≤1ppm	AFS
	Mercury(Hg)	≤0.1ppm	AFS
Assay	Melatonin	≥99.0%	HPLC
	Individual impurities	≤0.1%	HPLC
	Total impurities	≤0.1%	HPLC
Microbial	Total microbacterial count	≤1000CFU/g	USP
	Yeast &Mould	≤100CFU/g	USP
	Escherichia Coli presence	Negative	USP
	Salmonella	Negative	USP
	Pseudomonas	Negative	USP
	Stahylococcus aureus	Negative	USP
Else	Packing	25 kg bags/drums	
	Storage condition	Store in a well closed place with constant low temperature and no direct sun light	

Our certificates

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