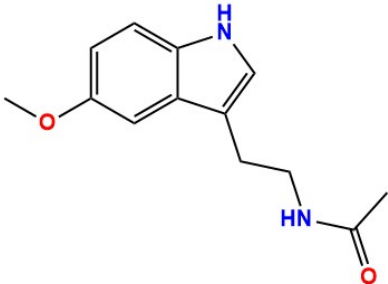


CERTIFICATE OF ANALYSIS

		Product Name	Melatonin USP		
		Chemical Name	N-(2-(5-methoxy-1H-indol-3-yl)ethyl)acetamide		
		Pharmacopoeia Ref.	USP/EP/BP	USP	
		Mol. Formula	C ₁₃ H ₁₆ N ₂ O ₂		
		Mol. Weight	232.28 g/mol		
Batch No	AxBn/Mel-22	Mfg Date	23-Apr-2026	Analysis Date	24-Apr-2026
Quantity	1 kg	Expiry Date	Mar-2028		
Storage	Preserve in Airtight container, 20°C to 30°C. Protect from direct sunlight.				
Test		Specification		Result	
Appearance		White to off White Crystalline Powder		Off White Crystalline Powder	
Melting Point		114 - 121°C		117 - 118°C	
Solubility		Soluble In acetone, Ethyl acetate and methanol		Conforms	
Identification		IR Data complies with the structure into Reference/Working Standard		Conforms	
Related Substances (by HPLC)		Individual Impurity: NMT - 0.1%		0.02%	
		Total Impurities: NMT – 1.0%		0.09%	
Sulphate		NMT 0.02%		< 0.02%	
Chlorine		NMT 0.02%		< 0.02%	
Heavy Metals		NMT 10 ppm		< 10 ppm	
Particle size distribution		NMT 30µm & NMT 50µm		Complies	
Assay (on Dried Basis) as per USP Method		NLT 98.5% and NMT 101.5%		99.49%	
Residual Solvents (by GC)		Ethanol: NMT 5000 ppm		Not Detected	
		Methylene Dichloride: NMT 600 ppm		10 ppm	
		Ethyl Acetate: NMT 5000 ppm		4 ppm	
		Pyridine: NMT 200 ppm		Not Detected	
Residue on Ignition		NMT 0.1%		0.04%	
Loos on Drying		NMT 1.0%		0.029%	
Conclusion		The product Complies as per USP 41 Specifications			
		Prepared By	Approved by		
Sign.					
Date:		 24-Apr-2026			