



Xi'an Green Spring Technology Co.,Ltd

Certificate Of Analysis

Product Name:	Melatonin	Manufacture Date:	Sep. 13, 2024
CAS No.:	73-31-4	Analysis Date:	Sep. 16, 2024
Quantity:	540Kgs	Expire Date:	Sep. 12, 2026
ITEMS	STANDARD	TEST RESULTS	
Assay	99%	99.97%	
Physical & Chemical			
Appearance	White to off-white crystalline powder	Complies	
Solubility	Slightly soluble in water, soluble in acetone, ethyl acetate and methanol	Complies	
Identification	IR	Complies	
	UV	Complies	
	HPLC	Complies	
Chloride and sulfate	≤0.02%	<0.02%	
Loss on drying	≤1.0%	0.08%	
Ash	≤0.1%	0.06%	
Individual impurity	≤0.1%	0.049%	
Total impurity	≤1.0%	0.21%	
Heavy Metal			
Pb	≤1.0ppm	<1ppm	
As	≤1.5ppm	<1.5ppm	
Cd	≤0.5ppm	<0.5ppm	
Hg	≤1.5ppm	<1.5ppm	
Microbiological Test			
Total Plate Count	≤1,000cfu/g	Complies	
Yeast & Mold	<100cfu/g	Complies	
Coliform	Negative	Negative	
Salmonella	Negative	Negative	
Conclusion: Conform with USP41.			
Storage: Store in cool and dry places. Keep away from strong light and heat.			
Packing: By 25kgs/Drum, inner by double plastic foil bag.			
Shelf Life: 24 months under the above condition, and in its original package.			

Quality Assurance: Liang Yan

