

PRODUCT SPECIFICATIONS

Product Name/产品名称	Melatonin	Chemical Name/化学名	N-acetyl-5-methoxytryptamine
CAS No./CAS号码	73-31-4	Molecular Formula/化学式	C ₁₃ H ₁₆ N ₂ O ₂
Standard/执行标准	USP43	Molecular Weight/分子量	232.28
Shelf Life/保质期	2 Years	Country of Origin/原产地	China

Characters/性状	Reference/检测方法	Standard/标准
Appearance/外观	Visual	Off white to white crystalline powder
Identification/鉴别	FTIR&UV&HPLC	Positive
Odour/气味	Organoleptic	Odorless

Assay/含量	Reference/检测方法	Standard/标准
Melatonin/褪黑素	HPLC	98.5%~101.50%
Individual Impurities/单个杂质	HPLC	Max. 0.1%
Total Impurities/总杂质	HPLC	Max. 1.0%

Tests/检测项目	Reference/检测方法	Standard/标准
Loss of Drying/干燥失重	USP	Max. 1.0%
Residue on Ignition	USP	Max. 0.2%
Bulk Density/堆积密度	USP	0.32g/ml~0.65g/ml
Tapped Density/振实密度	USP	0.49g/ml~0.85g/ml
Heavy Metals/重金属	AAS	Max. 20 ppm
Lead/铅	AAS	Max. 3 ppm
Arsenic/砷	AAS	Max. 2 ppm
Cadmium/镉	AAS	Max. 1 ppm
Mercury/汞	AAS	Max. 0.1 ppm
Total Aerobic/总菌落	CP<2015>	Max. 1000 cfu/g
Mold and Yeast/霉菌酵母菌	CP<2015>	Max. 100 cfu/g
E. Coli/大肠杆菌	CP<2015>	Negative/1g
Salmonella/沙门氏菌	CP<2015>	Negative/25g



Storage/存储	Store in cool, dry, enclosed, clean storage areas. Away from strong direct light.
Packing/包装	Packed in paper-drums with two food grade plastic-bags inside N.W.25Kg/Drum.

Statements/声明
Non-Irradiated, Non-ETO, Non-GMO, Non-Allergen
As a natural product, there may be color variations from lot to lot due to crop fluctuations from harvest.
The item marked with * is tested at a set frequency based on risk assessment.