



XI'AN BIOF BIO-TECHNOLOGY CO.,LTD

Room 1601 ,Tower 1 , Building 25 , Gaoke Garden, Gaoxin 5th Rd, High-tech Zone, Xi'an, China

TEL: +86 13488323315

Email: Winnie@xabiof.com

CERTIFICATE OF ANALYSIS

Product Name	Melatonin	Specification	Company Standard
CAS No.	73-31-4	Manufacture Date	2025.6.2
Quantity	100KG	Analysis Date	2025.6.9
Batch No.	BF-250602	Expiry Date	2027.6.1
Items	Specifications		Results
Appearance	White to off-white crystalline powder.Soluble in alcohol,slightly soluble in water		Conforms
Identification			
Infrared Absorption	Positive		Positive
Ultraviolet Absorption	Positive		Positive
HPLC Identification Test	Positive		Positive
Assay(Dry Basis)	98.5-101.5%		99.78%
Loss on Drying(%)	1.05 % Max		0.08%
Residue on Ignition(%)	0.02 % Max		0.01%
Melting Point	116.0-120.0℃		118.8-119.9℃
Chloride And Sulfate	≤0.02%		Conforms
Related Compounds	Individual Impurities≤0.1%		0.029%
	Total Impurities≤1.0%		0.08%
Residue Analysis			
Lead（Pb）	≤1.0ppm		Conforms
Arsenic (As)	≤1.0ppm		Conforms
Cadmium (Cd)	≤0.5ppm		Conforms
Mercury (Hg)	≤0.1ppm		Conforms
Conclusion	Conform with the requirement of USP40 Standard		

Analyst: Jiayan Yang

Checked By: Fei Shen

Manager: Xiaoyu Wang

