



# Xi'an Quanao Biotech Co., Ltd.

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## Certificate of Analysis

<b>Product Name</b>	Melatonin		
<b>Production Date</b>	2020-12-28	<b>Batch No.</b>	QM201228
<b>Expiry Date</b>	2022-12-27	<b>Report Date</b>	2021-01-07
<b>Original</b>			
<b>ITEMS</b>	<b>SPECIFICATIONS</b>		<b>RESULTS</b>
Appearance	Off White to white Powder		Complies
Odor & Tasted	Characteristic		Complies
Identification A. Infrared Absorption B. Ultraviolet Absorption C. HPLC Identification Test	Positive Positive Positive		Complies Complies Complies
Assay( %)	98.5~101.5 HPLC		99.9
Related compounds(%)	Individual impurities≤0.1 Total impurities≤1.0		0.04 0.3
Solubility	Soluble in alcohol, slightly soluble in water.		Complies
Melting point (°C)	117.0~120.0		Complies
Loss on Drying(%)	≤0.5		0.32
Residue on Ignition(%)	≤0.1		0.03
Chloride and Sulfate(%)	≤0.02		Complies
<b>Heavy Metals</b>			
Heavy Metal (ppm)	≤10		Complies
Pb(ppm)	≤1.0		Complies
As(ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
Conclusion	Conform to the standard.		
Packing	25kg/drum		
Storage and Handling	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

