



山东八方化工科技有限公司

SHANDONG OCTAGON CHEMICALS LIMITED



CERTIFICATE OF ANALYSIS

Product name	<u>Melatonin (Cas 73-31-4)</u>		
Batch No.	240401	Mfg. Date	2024.04.15
Rep. Date	2024.04.24	Retest Date	2026.04.14
Packaging	25KG/Bag/Drum	Batch Quantity	350.9KG
Test Items	Standards: USP-NF		Results
Appearance	White to off-white crystalline powder		White powder
Solubility	Slight soluble in water, soluble in acetone, ethyl acetate and methanol		conforms
Identification	IR/UV/HPLC		Conforms
Chloride and sulphate	NMT0.02%		<0.02%
Related Substances(HPLC)	Single impurity: NMT0.1% Total impurities: NMT1.0%%		0.045% 0.34%
Loss on drying	NMT1.0%		0.09%
Residue on ignition	NMT0.1%		0.04%
Heavy metals	NMT20ppm		<20ppm
Assay	98.5%~101.5% ((on the dried basis))		99.31%
Conclusion	It meets the requirements of USP-NF Standards		
Storage	Store in an air-tight container at ambient temperatures		
Reporter: LI	Reviewed By: WEI		

