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Certificate of Analysis

Product Name	Lutein Beadlets CWS	Botanical Source	<i>Tagetes erecta L.</i>
Plant Part	Marigold flower	Batch Quantity	1,500kg
Batch No.	NT20260224	Manufacturing Date	2026-02-24
Expiration Date	2028-02-23	Package	Aluminum foil bags

Item	Specification	Results	Methods
Appearance	Orange yellow powder	Complies	Visual
Xanthophylls	≥5%	5.88%	UV
Lutein	≥5%	5.41%	HPLC
Zeaxanthin	≤0.5%	0.34%	HPLC
Loss on Drying	≤ 5.0%	2.98%	GB 5009.3
Density	0.35-0.65g/ml	Complies	USP616
Particle size(pass through sieve No.40)	≥95.0%	Complies	US786
Lead (Pb)	≤1mg/kg	0.06mg/kg	GB 5009.12
Arsenic (As)	≤1mg/kg	0.07mg/kg	GB 5009.11
Mercury (Hg)	≤0.1mg/kg	<0.01	GB 5009.17
Cadmium (Cd)	≤ 1mg/kg	<0.01mg/kg	GB 5009.15
Total Plate Count	≤ 1,000 cfu/g	60cfu/g	GB 4789.2
Molds and Yeasts	≤ 100 cfu/g	20cfu/g	GB 4789.15
Coli Group	≤3.0 MPN/g	Complies	GB 4789.3
Salmonella	Negative/25g	Negative	GB 4789.4
Staphylococcus aureus	<10 cfu/g	Negative	GB 4789.10
Conclusion	The product meets the testing requirements by inspection.		
Shelf Life	2 Year if sealed and store away from direct sun light.		

Qc.Manager: Gloria Yang

Check: Pengpeng

Analyst: GuoShan

