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Certificate of Analysis

Product Name	Lutein 20% (Marigold flower extract)		
Plant Source	Flower	Latin Name	<i>Tagetes erecta</i> L.
Production Date	2019-03-12	Batch No.	QY20190312
Expiry Date	2021-03-11	Report Date	2019-03-19
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Orange-red free flowing Powder		Complies
Odor & Tasted	Characteristic		Complies
Lutein Assay(%)	≥ 20.0 UV		20.50
Zeaxanthin Assay(%)	≥1.0 UV		1.02
Loss on Drying(%)	≤5.0		2.41
Bulk Density(g/ml)	0.30~0.60		0.48
Particle size(%)	100% through 80 mesh sieves		Complies
Heavy metals			
Pb(ppm)	≤1.0		Complies
As(ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
Microbiological Tests			
Total Plate Count(cfu/g)	≤ 1000		Complies
Yeasts and Moulds(cfu/g)	≤ 100		Complies
Coliforms(cfu/g)	≤10		Complies
E.coli (cfu/g)	Negative		Complies
Salmonella	Negative		Complies
Staphylococcus	Negative		Complies
Conclusion	Conform to the standard.		
Packing	5kgs/ bag, and 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

