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Certificate of Analysis

Product Name	Lutein (Marigold Extract)		
Latin Name:	*Tagetes erecta* L.	Part Used:	Flower
Batch No.:	210315	Manufacture Date:	Mar.15,2021
Quantity:	25kgs	Analysis Date:	Mar.15,2021
Expiry Date:	Mar.15,2023		

Items & Specification

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Orange-yellow Fine Powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Lutein(HPLC)	≥5.00%	5.51%
Zeaxanthin(HPLC)		0.38%
Particle size	100% pass 80 mesh	Conforms
Bulk Density	0.30-06.0g/ml	0.55g/ml
Loss on drying	≤8.0%	4.66%
Residue on ignition	≤2.0%	0.57%
Residual Ethanol	≤5000 μ g/g	29 μ g/g
Ash	≤5.0%	2.54%
Extract Solvent	Ethanol&Water	Conforms
Heavy metals		
Heavy metal	≤10ppm	Conforms
As	≤2ppm	Conforms
Pb	≤1ppm	Conforms
Cd	≤1ppm	Conforms
Hg	≤0.5ppm	Conforms
Microbiological control		
Total plate count	≤1000cfu/g	Conforms
Yeast & mold	≤100cfu/g	Conforms
Escherichia coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion :Conform to In-house Standard		
Shelf Life: 24 months when properly stored.		

Analyst	Ma Liang	Review	Liu Aiqin	Supervisor of QC	Li Min

