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Nutripharma

陕西康盛生物技术有限公司

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Certificate of Analysis

Product Name	Marigold Extract (Zeaxanthin 5%)	Latin Name	<i>Tagetes erecta L.</i>
Part Used	Flower	Manufacture Date	May 22, 2020
Batch No.	ZE200522-2	Analysis Date	May 23, 2020
Quantity	200KGs	Expiry Date	May 21, 2022
Original			
ITEMS	METHODS	SPECIFICATIONS	RESULTS
Appearance	Visual	Orange-red fine powder	Complies
Odor	Organoleptic	Characteristic	Complies
Taste	Organoleptic	Characteristic	Complies
Granular size	80 mesh sieve	100% pass through 80 mesh	Complies
Zeaxanthin	HPLC	$\geq 5.0\%$	5.26%
Loss on drying	3h/105°C	$\leq 5.0\%$	4.30%
Residue on Ignition	5h/750°C	$\leq 5.0\%$	0.35%
Loose density	60g/100ml	0.4-0.7g/ml	0.55g/ml
Tapped density	60g/100ml	0.6-1.0g/ml	0.72g/ml
Extract Solvent			Hexane&Ethanol
Residual solvent			
Hexane	GC	≤ 50 ppm	Negative
Ethanol	GC	≤ 500 ppm	<50ppm
Pesticide			
666	GC	≤ 0.1 ppm	Complies
DDT	GC	≤ 0.1 ppm	Complies
Quintozine	GC	≤ 0.1 ppm	Complies
Heavy metals	Colorimetry	≤ 10 ppm	Complies
As	AAS	≤ 2 ppm	Complies
Pb	AAS	≤ 1 ppm	Complies
Cd	AAS	≤ 1 ppm	Complies
Hg	AAS	≤ 0.1 ppm	Complies
Microbiological Control			
Total plate count	CP2010	≤ 1000 cfu/g	20cfu/g
Yeast & mold	CP2010	≤ 100 cfu/g	<10cfu/g
Escherichia coli	CP2010	Negative	Negative
Salmonella	CP2010	Negative	Negative
Package:	1kg or 5kg/Aluminum foil bag with vacuum packing inside, 25kg per drum.		
Storage:	Store in cool & dry place, protected from light, heat and oxygen.		
Shelf life:	24 months when properly stored		
QC	Wang Xianmei	QA	Li Yaqiang