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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 (Lutein 20%)	Latin Name	<i>Tagetes erecta L.</i>
Part Used	Flower	Manufacture Date	Jun.20, 2020
Batch No.	LU200620-1	Analysis Date	Jun.21, 2020
Quantity	300KGs	Expiry Date	Jun.19, 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% Through 80mesh	Complies
Lutein content	HPLC	≥ 20.0%	20.35%
Loss on drying	3h/105°C	≤ 5.0%	3.82%
Residue on Ignition	5h/750°C	≤ 5.0%	0.95%
Loose density	60g/100ml	0.5-0.8g/ml	0.51g/ml
Tapped density	60g/100ml	0.7-1.0g/ml	0.72g/ml
Extract Solvent			Hexane&Ethanol
Residual Solvent			
Hexane	GC	≤50 ppm	Not detected
Ethanol	GC	≤500 ppm	Complies
Pesticide			
666	GC	≤0.1ppm	Complies
DDT	GC	≤0.1ppm	Complies
Quintozine	GC	≤0.1ppm	Complies
Heavy Metals	Colorimetry	≤10ppm	Complies
As	AAS	≤2ppm	Complies
Pb	AAS	≤1ppm	Complies
Cd	AAS	≤1ppm	Complies
Hg	AAS	≤0.1ppm	Complies
Microbiological Control			
Total plate count	CP2010	≤1000cfu/g	30cfu/g
Yeast & mold	CP2010	≤100cfu/g	<10cfu/g
Escherichia coli	CP2010	Negative	Complies
Salmonella	CP2010	Negative	Complies
Package:	1kg or 5kg/aluminum foil bag with vacuum packing inside, 25kg in a drum.		
Storage:	Store in a dry and cool place, protected from light, heat and oxygen.		
Shelf life:	24 months when properly stored		
QC	Wang Xianmei	QA	Li Yaqiang