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## Specification Sheet

### Marigold Extract Powder Lutein Ester Oil 5%

General Information			
Part Used:	Flower	Solvents Used:	Water/Ethanol
Botanical Source:	<i>Tagetes erecta L.</i>	Country Of Origin:	China
ITEMS	SPECIFICATION	METHOD	
Physical&Chemical Data			
Color	Orange Yellow	Organoleptic	
Odor	Characteristic	Organoleptic	
Appearance	Ester Oil	Organoleptic	
Analytical Quality			
Identification	Identical to <i>R.S.</i> sample	HPTLC	
Lutein	≥5.0%	UV	
Loss on Drying	≤5.0%	Eur.Ph.7.0 [2.8.17]	
Total Ash	≤10.0%	Eur.Ph.7.0 [2.4.16]	
Contaminants			
Lead (Pb)	≤2.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	
Arsenic (As)	≤2.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	
Mercury (Hg)	≤1.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS	
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph.7.0<2.4.24>	
Pesticides Residue	Meet USP Requirements	USP34 <561>	
Microbiological			
	Irradiation	Non irradiated	
Total Plate Count	≤1000 cfu/g	≤10000 cfu/g	USP34 <61>
Yeast & Mold	≤100 cfu/g	≤1000 cfu/g	USP34 <61>
E.Coli.	Negative	Negative	USP34 <62>
Salmonella	Negative	Negative	USP34 <62>
Packing&Storage			
	Packed in paper-drums and two plastic-bags inside. N.W:20kgs		
	Store in a well-closed container.		
	Away from moisture, light, oxygen.		
Shelf life			
	24 months under the conditions above and in its original packaging.		
Remarks			
	Non-GMO, Non-Allergen		



王海