

PRODUCT SPECIFICATION

INCI/Botanical Name	<i>TAGETES ERECTA</i>	Date of Expiry	03 Years
Product Name	Marigold Extract	Extraction Solvent	---
Report No	TE/LO/MAR230015/23	Extraction Ratio	---
Parts of Plant	Petal	Origin	India
Cas No	127-40-2	HSN Code	13021919
TEST	SPECIFICATION	METHOD	
A. Physical Parameters:			
Appearance	Fine powder	Visual	
Color	Orange red to brick red color	Visual	
Odour	Characteristic	Organoleptic	
Taste	Characteristic	Organoleptic	
Identification	To comply by HPLC	TM / 0972	
Solubility	Partially soluble in alcohol	USP 561	
Loss on Drying (At 105⁰C)	NMT 6.0% w/w	USP 731	
Ash Content	NMT 5.0% w/w	USP 281	
Tapped Bulk Density	Between 0.50 to 0.80 g/ml	USP 616	
Untapped Bulk Density	Between 0.30 to 0.60 g/ml	USP 616	
Particle Size (40 mesh)	NLT 100% w/w	USP 786	
B. Active Ingredients:			
Free Lutein by HPLC	NLT 20.0% w/w	TM / 0972	
Free Zeaxanthin by HPLC	NLT 2.0% w/w	TM / 0972	
C. Heavy Metals:			
Lead (PB)	NMT 3.0 ppm	USP 223	
Arsenic (AS)	NMT 1.0 ppm	USP 233	
Cadmium (CD)	NMT 0.5 ppm	USP 233	
Mercury (HG)	NMT 0.1 ppm	USP 233	
D. Microbiological Test:			
Total Plate Count	NMT 3000 cfu/g	USP 2021	
Total Yeast & Mold Count	NMT 100 cfu/g	USP 2021	
Escherichia coli	Negative / 10 g	USP 2022	
Salmonella spp.	Negative / 10 g	USP 2022	
Coliforms	Negative / 10 g	USP 2021	
Staphylococcus Aureus	Negative / 10 g	USP 2022	
Pseudomonas Aeruginosa	Negative / 10 g	USP 62	
E. Mycotoxin:			
Aflatoxins (B1+B2+G1+G2)	---	USP 561	
Pesticide Residues	---	USP 561	
F. Other:			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO / BSE - TSE.			
The material is not tested on animals.			
The material is non-irradiated & not treated with ETO.			
The above material complies with in-house specifications.			
Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.			
The Product Is of Herbal Origin. There May Be Minor Color Difference Due to Geographical and Seasonal Variation of the Plant Material.			

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.

