

### PRODUCT SPECIFICATION

<b>INCI/Botanical Name</b>	<i>TARGETES ERECTA</i>	<b>Common Name</b>	Marigold (Zeaxanthin) Beadlets
<b>Parts of Plant</b>	Flower	<b>Reference Standard</b>	---
<b>Extraction solvent</b>	---	<b>Carrier</b>	---
<b>Color Shade</b>	Pale Red-Orange	<b>Color Code</b>	---
<b>Batch Size</b>	1200-kg	<b>Expiry</b>	July- 2027
<b>Origin</b>	India/China	<b>CAS No</b>	90131-43-4
<b>HSN Code</b>	13021919	<b>Application &amp; Uses:</b> Food/Pharmaceutical/Cosmetology	
TEST		SPECIFICATION	METHOD
<b>A. Physical Parameters:</b>			
<b>Appearance</b>	Nacarat beadlets	Visual	
<b>Color</b>	Pale Red-Orange	Q/STY0004S	
<b>Odor</b>	Characteristic	Organoleptic	
<b>Taste</b>	Characteristic	5g 105°C/2hrs	
<b>Loss On Drying</b>	NMT 5.0% w/w	5g 105°C/4hrs	
<b>Particle Size (20 Mesh)</b>	NLT 100% w/w	Q/STY0004S	
<b>Particle Size (40 Mesh)</b>	NLT 85.0% w/w	Q/STY0004S	
<b>Particle Size (100 Mesh)</b>	NLT 15.0% w/w	Q/STY0004S	
<b>Bulk density</b>	0.45-0.75g/ml	USP 616	
<b>B. Active Ingredients:</b>			
<b>Zeaxanthin</b>	NLT 10% w/w	Q/STY0004S	
<b>C. Heavy Metals</b>			
<b>Lead (PB)</b>	NMT 1.0mg/kg	ICP MS	
<b>Arsenic (AS)</b>	NMT 1.0mg/kg	ICP MS	
<b>Cadmium (CD)</b>	NMT 1.0mg/kg	ICP MS	
<b>Mercury (Hg)</b>	NMT 0.1mg/kg	ICP MS	
<b>D. Microbiological Test:</b>			
<b>Total Plate Count</b>	NMT 1000 cfu/g	GB 4789.2	
<b>Total Yeast &amp; Mold Count</b>	NMT 100 cfu/g	GB 4789.15	
<b>Coli- Group</b>	NMT 10 cfu/g	GB 4789.38	
<b>E. Pathogen:</b>			
<b>Salmonella</b>	Negative 25cfu/g	GB 4789.4	
<b>Staphylococcus aureus</b>	Negative 10cfu/g	GB 4789.10	
<b>F. Other:</b>			
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.			
<b>THE PRODUCT IS OF HERBAL ORIGIN. THERE MAY BE MINOR COLOR DIFFERENCE DUE TO GEOGRAPHICAL AND SEASONAL VARIATION OF THE PLANT MATERIAL</b>			

Analysis by

Approved by



ISO 9001:2015, 14001:2015, 45001:2018, 22000:2018, HALAL, GMP, HACCP, KOSHER, FSSC 2000 ORGANIC, FSSAI & SHEFEXIL Certified.