

## TECHNICAL DATA SHEET

# Zeaxanthin Powder

## 50% M

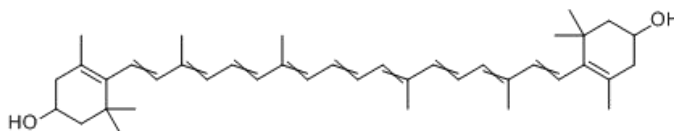
### Chemical Properties

CAS No: 144-68-3;

EINECS No.: 205-636-4

Chemical Formula: C<sub>40</sub>H<sub>56</sub>O<sub>2</sub>

Molecular Weight: 568.88



### Description

Zeaxanthin is one of the most common carotenoid alcohols found in nature. It is important in the xanthophyll cycle. The product is extracted from the natural Marigold flower.

### Solubility

It is soluble in plant oil, insoluble in water.

### Specification

Item	Specification	Test Method
Appearance	Nacarat powder	Visual
Zeaxanthin	Min 50.0%	HPLC
Loss on drying	Max 5.0%	In-house
Ash	Max 2.0%	In-house
Solvents Residue (N-hexane)	Max 50 ppm	In-house
Heavy metals	Max 10 ppm	In-house
Lead	Max 3.0 ppm	In-house
Arsenic	Max 3.0 ppm	In-house
Cadmium	Max 1.0 ppm	In-house
Mercury	Max 0.1 ppm	In-house
Total Plate Count	Max 1000 CFU/g	In-house
Yeasts & Molds	Max 100 CFU/g	In-house
<i>E. Coli</i>	Negative	In-house
<i>Salmonella</i>	Negative	In-house

### Ingredients

Zeaxanthin 50%, Maltodextrin 50%. (M is short for Maltodextrin)

### Labeling

In the United States and the European Union: Zeaxanthin Powder

## Functions

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- 1). Promoting the healthy of eye and skin through reducing the risk of macular degeneration, supporting normal eye functions and protecting the retina by blocking harmful blue light.
- 2). Eliminating free-radicals, protecting human body from harm, improving immunity, protecting skin from the harmful solar ray.
- 3). Preventing cardiopathy and cancer.
- 4). Resisting arteriosclerosis.

## Applications

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Application field: infant formula milk powder, drinks, pharmaceutical field, health food.

## Safety

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This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

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Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

## Packaging, Storage & Shelf Life

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Package	1kg/ bag, 25kg/drum; or according to customers' requirements.
Storage	Store in a cool and dry place, protected from light, heat and oxygen.
Shelf Life	24 months if sealed and stored properly.