

TECHNICAL DATA SHEET

Zeaxanthin Powder

5% CWS MSCT

Chemical Properties

CAS No: 144-68-3

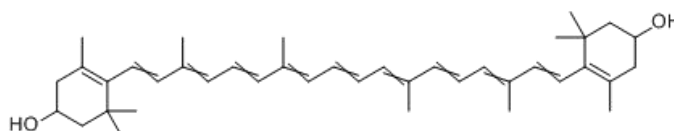
EINECS No.: 205-636-4

Chemical Formula: C₄₀H₅₆O₂

Molecular Weight: 568.88

Botanical Latin Name: *Tagetes erecta* L.

Plant Part: Marigold flower



Description

Zeaxanthin is one of the most common carotenoid alcohols found in nature. It is important in the xanthophyll cycle. Synthesized in plants and some micro-organisms, it is the pigment that gives paprika (made from bell peppers), corn, saffron, wolfberries, and many other plants and microbes their characteristic color. This product is extracted from the natural Marigold flower.

Solubility

It is dispersible in cold water.

Specification

Item	Specification	Test Method
Appearance	Orange Microcapsule Powder	Visual
Zeaxanthin	Min 5.0%	HPLC, GB26405-2011.A4
Loss on Drying	Max 8.0%	GB5009.3
Ash	Max 5.0%	GB5009.4
Heavy metals	Max 10.0 ppm	Atomic Absorption, GB5009.74
Lead	Max 3.0 ppm	Atomic Absorption, GB5009.12
Arsenic	Max 2.0 ppm	Atomic Absorption, GB5009.11
Cadmium	Max 1.0 ppm	Atomic Absorption, GB5009.15
Mercury	Max 0.1 ppm	Atomic Absorption, GB5009.17
Total Plate Count	Max 1000 cfu/g	GB 4789.2
Yeasts & Molds	Max 100 cfu/g	GB 4789.15
<i>E. Coli</i>	Negative	GB 4789.3
<i>Salmonella</i>	Negative	GB 4789.4

Ingredients

Zeaxanthin 5%, Other carotenoids 1%, Moisture 5%, Maltodextrin 49%, Starch 38%, Vitamin C 1%, Vitamin E

1%. (M is short for Maltodextrin, S is short for Starch, C is short for Vitamin C, T is short for Vitamin E)

Labeling

In the United States and the European Union: Zeaxanthin Powder

Functions

- 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

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

Safety

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

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

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.