

TECHNICAL DATA SHEET

Meso-Zeaxanthin Powder

50% M

Chemical Properties

CAS No: 31272-50-1

Chemical Formula: C₄₀H₅₆O₂

Molecule Weight: 568.88

Botanical Latin Name: *Tagetes erecta* L.

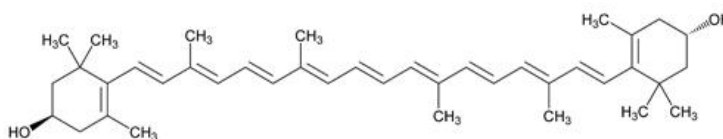
Plant Part: Marigold flower

Carrier: Maltodextrin

Solvent Used: Ethanol, N-hexane

Sterilization Method: NO-IR&GMO free

County of Origina: China



Description

Meso-zeaxanthin (3R,3'S-zeaxanthin) is a xanthophyll carotenoid (as it contains oxygen and hydrocarbons), and is one of the three stereoisomers of zeaxanthin. Meso-zeaxanthin is produced by plants and algae in nature.

Solubility

It is soluble in plant oil, insoluble in water.

Specification

Item	Specification	Test Method
Appearance	Orange reddish Powder	Visual
Zeaxanthin	Min 50.0%	HPLC, GB26405-2011.A4
Particle Size	Min 95% pass 80 mesh	Screen
Loss on Drying	Max 6.0%	5g/105°C/2hrs, GB5009.3
Residue on Ignition	Max 1.0%	3g/550°C/4hrs, in house
N-hexane	Max 50ppm	GC-ECD
Heavy metals	Max 10 ppm	Atomic Absorption, GB5009.74
Lead	Max 1.0 ppm	Atomic Absorption, GB5009.12
Arsenic	Max 1.0 ppm	Atomic Absorption, GB5009.11
Cadmium	Max 1.0 ppm	Atomic Absorption, GB5009.15
Mercury	Max 1.0 ppm	Atomic Absorption, GB5009.17
Total Plate Count	Max 3000 cfu/g	AOAC
Yeasts & Molds	Max 300 cfu/g	AOAC
Coli Group	Max 3.0MPN/g	AOAC
<i>Salmonella</i>	Negative	AOAC

Staphylococcus

Negative

AOAC

Ingredients

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

Labeling

In the United States and the European Union: Meso-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.