

TECHNICAL DATA SHEET

Zeaxanthin Powder

5% M

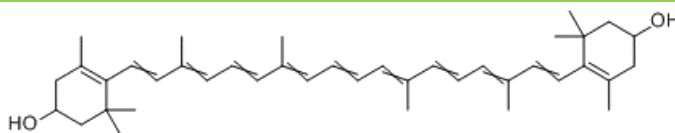
Chemical Properties

CAS No: 144-68-3;

EINECS No.: 205-636-4

Chemical Formula: C₄₀H₅₆O₂

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 5.0%	HPLC
Loss on drying	Max 5.0%	In-house
Ash	Max 2.0%	In-house
Solvents Residue	Conforms to the USP standard	USP
Heavy metals	Max 10 ppm	In-house
Lead	Max 3 ppm	In-house
Arsenic	Max 2 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 5.0% , Lutein 1.8%, Maltodextrin 88.2% and others 5.0% .(M is short for Maltodextrin)

Labeling

In the United States and the European Union: Zeaxanthin Powder

Applications

1. Protect eyes

(1) Lutein is a major element for macular lutea in eyes, and it has a prevention effect on AMD to protect vision for senior citizens.

(2) Prevent blindness lead by AMD. The U.S. suggested people age 60-65 should take 6mg lutein supplement in 1996.

(3) Lutein in eyes has a filtration function for ultraviolet rays, and prevent damages on eyes and vision lead by ultraviolet rays from sunlight and computer.

2.Recover skin damage by ultraviolet rays

3.Adjust blood fat, prevent oxidation of low density lipoprotein.

4.Anti-cancer, prevent spread of cancer cells.

Application field: infant formula milk powder, drinks, pharmaceutical I, 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 5kg/Aluminum foil bag, 25kg/drum;or according to customers' requirements.

Storage Stored with room temperature and without sunlight, frozen will be better.

Shelf Life 1 year if sealed and stored properly.