

TECHNICAL DATA SHEET

Zeaxanthin Powder

20% M

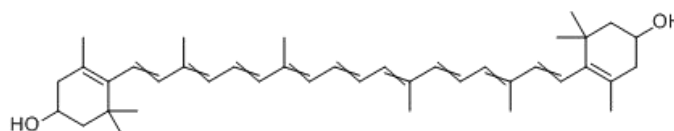
Chemical Properties

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 20.0% | 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 20%, Maltodextrin 80% .(M is short for Maltodextrin)

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 | 5kg/Aluminum foil bag, 25kg/drum; or according to customers' requirements. |
| Storage | Store in a cool and dry place, protected from light, heat and oxygen. |
| Shelf Life | 1 year if sealed and stored properly. |