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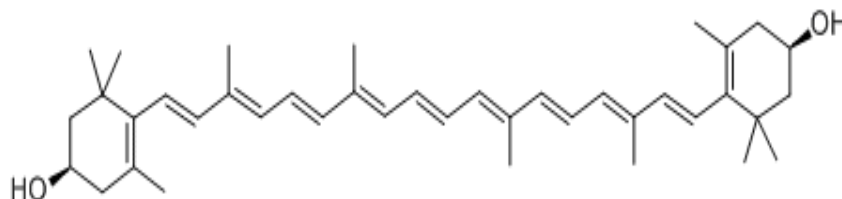
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Technical Data Sheet

Zeaxanthin

Product Information

Chemical Name	Zeaxanthin
CAS #	144-68-3
Formula	C40H56O2
Molecular Weight	568.87
Chemical Structure	



Description

Pure zeaxanthin is orange crystalline powder, no smell. Its dilute solution is orange red, above 10 °C become blood red oily liquid, under 10 °C become half frozen yellow oily matter.

With natural marigold flowers as raw materials, through extraction, saponification, purification process such as preparation of lutein, corn trade quality, lutein esters such as powder products. Widely used in health care products, food and other fields. Especially in protecting eyes see health has been widely used.

Physical Properties

Melting point, °C .	203-2050C
Storage conditions	-20°C

Specification

Item	Food grade
Appearance	Nacarar Powder

Zeaxanthin content, %	5-80%
Loss on drying, %	≤5.0
Ash,%	≤5.0
Particle size,	100% Pass 80 mesh
Bulk Density,g/ml	0.4-0.6
Heavy metals,mg/kg	≤10.0
Lead(Pb),mg/kg	≤2.0
Arsenic(As),mg/kg	≤1.0
Cadmium(Cd),mg/kg	≤1.0
Mercury(Hg),mg/kg	≤0.1
Total Plate Count,cfu/g	≤1000.0
Yeasts and Moulds,cfu/g	≤100.0
E.Coli	Negative
Salmonella	Negative

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1, Improve eyesight, alleviate eye fatigue.
- 2, Lutein and zeaxanthin is eye retina, macular is the lack of nutrients.
- 3, To reduce the incidence of cataracts, improve cataract, age-related macular degeneration (AMD), glaucoma and other eye diseases.
- 4, Anti-aging, protect skin cells against oxidative damage.
- 5, Slow hardening of the arteries. Lutein content in the blood, the artery wall thickening trend lower.
- 6, Anti-cancer effect. Lutein has inhibitory effect to a variety of cancers, such as breast cancer, prostate cancer, colorectal cancer, skin cancer, etc

Packaging

1 kg / 5 kg per aluminum foil bag.25kg per fiber drum.

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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