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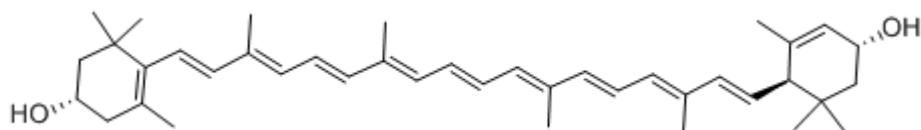
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## Technical Data Sheet

# Xanthophyll

### Product Information

Chemical Name	Xanthophyll
CAS #	127-40-2
Formula	C40H56O2
Molecular Weight	568.87
Chemical Structure	



### Description

Orange yellow Powder (5%~80%HPLC).

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:	183 °C
Storage conditions:	- 70 ° C
Merck	13101 20

### Specification

Item	Specification(20% HPLC)
Appearance	Orange yellow Powder
Lutein HPLC,%	≥20.0
Loss on drying,%	≤1.0
N-hexane , mg/kg	≤25
Heavy metals , mg/kg	≤10.0

Lead (Pb) , mg/kg	<3.0
Arsenic (As ) , mg/kg	<3.0
Cadmium (Cd) , mg/kg	<1.0
Mercury (Hg ) ,mg/kg	<1.0
Total Plate Count , cfu/g	≤1000
Yeasts and Moulds, cfu/g	≤100
E.Coli	Negative
Salmonella	Negative
Pathogenic bacteria	Negative

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

- 1, Improve eyesight, alleviate eye fatigue.
- 2, Lutein and zeaxanthin is nutrients of eye retina, macular.
- 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.
- 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

1kg per bag.5kg per 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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