

TECHNICAL DATA SHEET

Lutision™ Lutein Powder

5% M

Chemical Properties

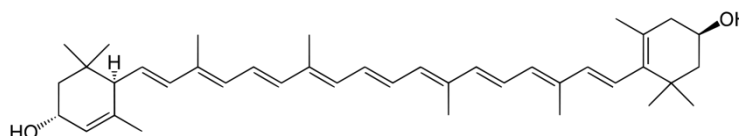
CAS No: 127-40-2;

EINECS No.: 204-840-0

INCI name: Xanthophyll

Chemical Formula: $C_{40}H_{56}O_2$

Molecular Weight: 568.88



Description

Lutein powder is obtained from marigold flower by extraction, saponification and purification. It's widely used in food, health care products, etc. It's widely recognized in the importance of eye health.

Solubility

It is insoluble in water, and can be added to a variety of fat-soluble products.

Specification

Item	Specification	Test Method
Appearance	Orange powder	Visual
Lutein	Min 5.0%	HPLC, GB26405
Zeaxanthin	Min 1.0%	HPLC, GB26405
Loss on drying	Max 5.0%	GB5009.3
Ash	Max 2.0%	GB5009.4
Heavy metals	Max 10.0ppm	GB5009.74
Lead	Max 2.0ppm	GB5009.12
Arsenic	Max 2.0ppm	GB5009.11
Cadmium	Max 1.0ppm	GB5009.15
Mercury	Max 0.1ppm	GB5009.17
Total Plate Count	Max 1000 CFU/g	GB4789.2
Yeasts & Molds	Max 100 CFU/g	GB4789.15
<i>E. Coli.</i>	Negative	GB4789.38
<i>Salmonella</i>	Negative	GB4789.4

Ingredients

Lutein 5.0%, Zeaxanthin 1%, Maltodextrin 94.0%. (M is short for Maltodextrin)

Labeling

In the United States and the European Union: Lutein

Applications

1. Improve eyesight, relieve eye fatigue.
2. Lutein power and zeaxanthin are the indispensable nutrients of eye retina and macular.
3. Reduce the morbidity of cataract, improve eye disease like cataract, age-related macular degeneration, glaucoma etc.
4. Anti-aging, protect the skin cells from photooxidative damage.
5. Anticarcinogenic action. Lutein controlled cancer growth, such as breast cancer, prostatic cancer, rectal cancer, skin cancer and so on.

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

Store in a dry and cool place, protected from light, heat and oxygen. The preferred storage temperature is below 30°C.

Packaging, Storage & Shelf Life

Package	1kg or 5kg net per bag; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 year if sealed and stored properly.