

## TECHNICAL DATA SHEET

# Lutision™ Lutein Powder

## 20% M

### Chemical Properties

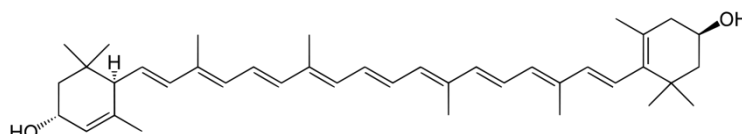
CAS No: 127-40-2;

EINECS No.: 204-840-0

INCI name: Xanthophyll

Chemical Formula: C<sub>40</sub>H<sub>56</sub>O<sub>2</sub>

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 yellow powder	Visual
Lutein	Min 20.0%	HPLC
Loss on drying	Max 7.0%	5g/105°C/2hrs
Total metals	Max 10.0ppm	Atomic Absorption
Lead	Max 3.0ppm	Atomic Absorption
Arsenic	Max 3.0ppm	Atomic Absorption
Cadmium	Max 1.0ppm	Atomic Absorption
Mercury	Max 0.1ppm	Atomic Absorption
Total Plate Count	Max 1000 CFU/g	AOAC
Yeasts & Molds	Max 100 CFU/g	AOAC
<i>E. Coli.</i>	Negative	AOAC
<i>Salmonella</i>	Negative	AOAC

### Ingredients

Lutein 20.0~25.0%, Maltodextrin 75.0~80.0%, Natural Carotenoid 1.0~2.0%. (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.