

TECHNICAL DATA SHEET

Lutision™ Lutein Powder

5% CWS aATC

Chemical Properties

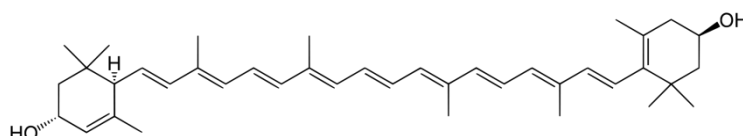
CAS No.: 127-40-2;

EINECS No.: 204-840-0

INCI name: Xanthophyll

Chemical Formula: C₄₀H₅₆O₂

Molecular Weight: 568.88



Description

Micro-capsule series products are made from high purity lutein, zeaxanthin and lutein ester by crushing and coating technology into carbohydrate uniformly with proper dosage of antioxidants (Vitamin C and Vitamin E). These products have high anti-pressure ability and are mainly used to produce healthcare products in tablet and hard capsule form.

Solubility

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

Specification

Item	Specification	Test Method
Appearance	Orange-red free flowing powder	Visual
Lutein	Min 5.0%	USP32/NF27
Loss on drying	Max 5.0%	USP 731
Bulk Density	0.40~0.80 g/ml	USP 616
Particle size	Min 95% through 40 mesh	USP 786
Lead	Max 1.0ppm	EN ISO 17294
Arsenic	Max 1.0ppm	EN ISO 17294
Cadmium	Max 1.0ppm	EN ISO 17294
Mercury	Max 0.1ppm	BS EN 13806
Total Plate Count	Max 1000 CFU/g	ISO 4833
Yeasts and molds	Max 100 CFU/g	ISO 7954
Coliform	Max 10 CFU/g	ISO 4832
<i>E. Coli</i>	Negative	ISO 16649
<i>Salmonella</i>	Negative/25g	ISO 6579
<i>Staphylococcus aureus</i>	Negative/g	ISO 6888

Ingredients

Lutein 5.0%~5.8%, Gum Arabic 18.0%~30.0%, Maltooligosaccharide 50.0%~68.0%, Ascorbyl Palmitate 0.1%~1.0%, Mixed Tocopherols 0.2%~2.0%. (a is short for Maltooligosaccharide, A is short for Gum Arabic, T



is short for Mixed Tocopherols, C is short for Ascorbyl Palmitate)

Labeling

In the United States and the European Union: Lutein

Applications

As a coloring agent and a nutrient for food such as fast food, baking food, drink, jelly, confectionery and dairy products.

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/bag or 5kg/bag,25kg/drum;or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.