

TECHNICAL DATA SHEET

Lutision™ Lutein Beadlet

5% AaHTcbC

Chemical Properties

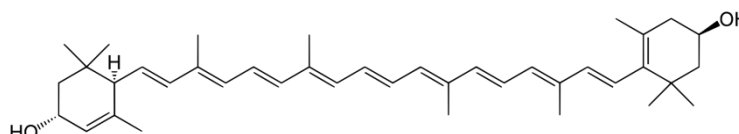
CAS No: 127-40-2;

EINECS No.: 204-840-0

INCI name: Xanthophyll

Chemical Formula: C₄₀H₅₆O₂

Molecular Weight: 568.88



Description

Beadlet series products are made from high purity lutein, zeaxanthin and lutein ester extracted from marigold flowers by processing of crushing and beadlet forming technology. The microencapsulation beadlet are manufactured by advanced spray cooling and starch-catching drying technology. It is suitable for tablets and hard capsules.

Solubility

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

Specification

Item	Specification	Test Method
Appearance	Dark, reddish-brown beadlet	Visual
Trans-Lutein	Min 5.0%	USP32/NF27
Zeaxanthin	Min 0.25%	USP32/NF27
Loss on drying	Max 7.0%	USP 731
Residue on Ignition	Max 2.0%	USP 281
Bulk Density	0.50~0.70 g/ml	USP 616
Particle size	120-40 mesh (Min 90%)	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/g	ISO 16649
<i>Salmonella</i>	Negative/25g	ISO 6579
<i>Staphylococcus aureus</i>	Negative/g	ISO 6888

Ingredients

Comprises Lutein minimum 5.0%, Maltooligosaccharide 24.0~36.0%, Natural Tocopherols 0.5~3.0%, Corn starch 16.0~28.0%, Mono-and diglycerides of fatty acids 0.2~1.9%, Ascorbyl Palmitate 0.1~2.0%, Gum Arabic 25.0~40.0%, Polysorbate 0.5~5.0%.(A is short for Gum Arabic, a is short for Maltooligosaccharide, H is short for Corn starch, T is short for Natural Tocopherols, c is short for Polysorbate, b is short for Mono-and diglycerides of fatty acids, 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

It should be protected from light, heat, oxygen and moisture. Keep the container tightly closed. Once opened, use contents quickly.

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.