

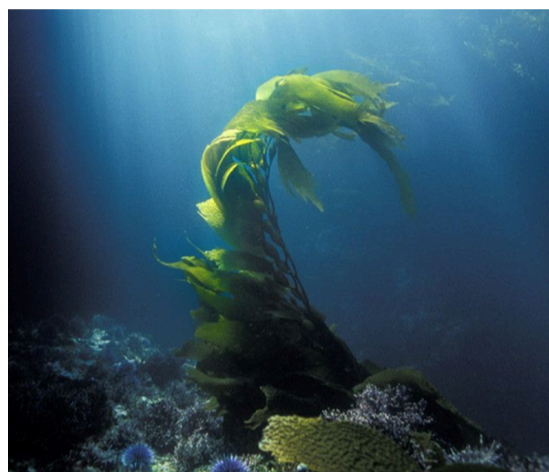


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FucoThin® fucoxanthin

FucoThin® fucoxanthin is the most exciting new fat-burning carotenoid on the world's supplement ingredient. Available as an oil form for softgel and as a microencapsulated powder for tablets and hard-shell capsules.

Origin:Undaria pinnatifida

Standards:1%, 5%, 10% fucoxanthin oil. 1%, 2% microencapsulated powder.

Test method:HPLC

Key Benefit:Weight Management

Additional Potential Benefits:Antioxidant, Eye, Brain, Liver and Joint Health

Recommended Dosage:2mg to 4mg per day

Description

FucoThin® fucoxanthin is the most exciting new fat-burning carotenoid on the world's supplement ingredient. It is extracted from brown algae Undaria pinnatifida or other algae as request and produced with Jiejing patented technology. FucoThin® is available as an oil form for softgel and as a microencapsulated powder for tablets and hard-shell capsules.

Fucoxanthin naturally promotes fat breakdown, inhibits excessive fat production, reduces fat deposition, balances calorie conversion, improves leptin resistance, stimulates mitochondrial proliferation, and enhances cholesterol and lipid metabolism. The static fat-burning mechanism of fucoxanthin is mainly manifested in the following three ways:

- By promoting an increase in the number of mitochondria, stimulating mitochondrial metabolic function, and improving the overall cellular metabolic level, especially by promoting the transformation of fat-storing white fat cells into fat-burning brown fat cells, thus significantly reducing the weight of white adipose tissue (WAT) in the waist and abdomen, achieving a firmer and slimmer waist and abdomen.
- By stimulating the expression of mitochondrial uncoupling protein 1 (UCPI), endoplasmic reticulum, and various metabolic enzymes, it promotes fat breakdown and thermogenic conversion (for every 1 degree Celsius increase in body temperature, bodily functions and immunity can increase 5-6 times), reducing blood lipids, liver fat, and subcutaneous fat, thus demonstrating an overall healthy fat loss and body shaping effect.
- By promoting the generation and increase of muscle tissue, it relies on muscle tissue to break down, consume, and metabolize fat, rather than relying on self-destructive weight loss methods such as deliberate anorexia, dieting, and forced ovulation, thus achieving the ideal effect of healthy fat loss without worrying about rebound.



Studies have found that fucoxanthin can not only reduce overweight and levels of triglycerides and total cholesterol, effectively preventing atherosclerosis and plaque formation; at the same time, it can reduce the risk of oxidative stress caused by obesity by increasing the content and activity of antioxidant enzymes (such as SOD, GPX and CAT) in the liver and plasma, thereby reducing the content of reactive oxygen species (ROS), free radicals and lipid peroxides in the body.

Product range and specifications:

Product name	Botanical origin	Assay
FucoThin® <u>fucoxanthin</u> oil	Undaria pinnatifida	1%, 5%, 10% of <u>fucoxanthin</u> by HPLC
FucoThin® <u>fucoxanthin</u> microencapsulated powder	Undaria pinnatifida	1%, 2% of <u>fucoxanthin</u> by HPLC

Recommended use and dose:

200 mg – 400 mg per day of FucoThin® (1% Fucoxanthin Microencapsulated Powder), corresponding to 2 to 4 mg per day of pure fucoxanthin taken as a dietary supplement.

Key Benefit: Weight Management

Additional Potential Benefits: promoting human health, like Anti-Oxidant, Health Support for Eye, Brain, Liver

Q&A Regarding taking fucoxanthin.

Q: Why do I feel hungry when taking fucoxanthin?

A: You will generally feel hungry after one to two weeks of taking it. This indicates that fucoxanthin promotes the strengthening of muscle tissues, including the smooth muscles of the gastrointestinal tract, thus improving gastrointestinal motility and digestion and absorption. This completely overturns the self-torturing weight loss methods that rely on feelings of fullness, nausea, and loss of appetite. When you feel hungry, as long as you maintain your original food intake without increasing it, and maintain a moderate level of hunger, your body's metabolic mechanism will be activated. This mechanism will accelerate the breakdown and conversion of excess fat and glucose into energy that cells urgently need to fill the gap that causes hunger. Once the balance is achieved, the hunger will naturally disappear, resulting in a vibrant and youthful state.

Fucoxanthin is a rare fat-loss ingredient that improves digestion and absorption while inducing a feeling of hunger.

Recommendations: Do not increase your food intake excessively. Drink small amounts of warm water frequently throughout the day. Maintain a regular sleep schedule and avoid staying up late to prevent affecting your basal metabolic rate. If your body allows, it is recommended to increase weight training for better muscle mass. After taking it for the first week, the most noticeable improvement is in gastrointestinal function. There will be no loss of appetite or diarrhea, and no discomfort. Drinking more warm water will help with metabolism.

Q: Why does weight fluctuate during the first month of taking fucoxanthin?

A: Fucoxanthin enhances mitochondrial function, promoting tissue repair and regeneration, including muscle tissue synthesis. This fundamentally improves the body's basal metabolic rate, leading to increased functional weight and a natural feeling of hunger. This hunger usually lessens or disappears after two weeks.



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person to person, but it alters the composition of body fat. While losing fat, it also builds muscle, resulting in a feeling of ease, comfort, and increased energy, laying a foundation for subsequent substantial weight loss. The combined effect of taking it for 6-8 weeks further enhances the fat loss and weight reduction, with no need to worry about rebound.

Q: What nutritional supplements and dietary recommendations are there when taking fucoxanthin?

A: Consuming foods rich in B vitamins and vitamin C can help improve metabolism; appropriately reduce carbohydrate intake from staple foods and combine refined and whole grains; increase high-quality protein (fish, shrimp, eggs, beans, lean meat, nuts, etc.) and related nutrients to ensure sufficient building blocks for muscle synthesis.

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About us

After more than half a century of development, Shandong Jiejing Group has developed into an enterprise group integrating the production, sales and scientific research of alginate, fucoidan , fucoxanthin, seaweed extract, covering an area of 500,000 square meters. It has branch companines of Shandong Karui Ocean Technology Co., Ltd. and Shandong Hengtai Ocean Biotechnology Co., Ltd.

