

Super Zeaxanthin with Lutein & Meso-zeaxanthin

60 softgels

Item Catalog Number: 00986

The eye is a highly complex organ that must safely harvest, control, focus, and react to light in order to produce vision. Light enters the anterior portion of the eye through the clear cornea and fluid-like aqueous humor, and is then focused by the clear lens before entering the gel-like vitreous. It must pass through a nerve layer of ganglions connected to photoreceptors (both rods and cones) where light signals are converted to electrical signals that are transported to the brain. Behind the photoreceptors are the retinal pigmented epithelium cells that feed and remove toxic waste from the constantly active photoreceptors. The retinal pigmented epithelium cells rest on a thin, connective, tissue-like support structure called Bruch's membrane, which also serves to create a blood-brain barrier for transport of nutrients, waste products, and critical oxygen. The macular region of the human retina is yellow in color due to the presence of the macular pigment, composed of two dietary xanthophylls, lutein and zeaxanthin, and another xanthophyll, meso-zeaxanthin. The latter is formed from lutein in the retina.

By absorbing blue-light, the macular pigment protects the underlying photoreceptor cell layer from light damage, possibly initiated by the formation of reactive oxygen species during a photosensitized reaction. The macular pigment can be increased by either increasing the intake of foods that are rich in lutein and zeaxanthin, such as dark-green leafy vegetables, or by supplementation with lutein or zeaxanthin.¹⁻³

With time, the aging eye accumulates photosensitizers in the retina, such as lipofuscin, thereby making the retina the most susceptible to light-initiated oxidative damage.⁴⁻⁷ Photoreceptors in the retina are neural cells that do not undergo mitosis (i.e., the division of the parent cell's genome into two daughter cells). Once lost, these photoreceptors cannot be restored, leading to degeneration of the retina, the continuing deleterious accumulation of metabolic debris, and a resultant loss of vision. However, research has shown that maintaining optimal vision is now possible with nutritional supplementation, diet and other lifestyle changes.¹⁻³

This Super Zeaxanthin formula provides therapeutic doses of all three carotenoids to help protect your precious eyesight.

References

Supplement Facts

Serving Size 1 softgel

Servings Per Container 60

Amount Per Serving

OptiLut® and Lutein Plus with MZ® Marigold (<i>Tagetes erecta</i>) Extract (flower) [free lutein equivalent 10 mg]	38 mg
--	-------

Zeaxanthin & Meso-zeaxanthin blend (micronized zeaxanthin, OptiLut® Marigold and Lutein Plus with MZ® Marigold Extract)	3.75 mg
---	---------

Other ingredients: soybean oil, gelatin shell (gelatin, glycerine, annatto, and water), beeswax, lecithin.

Contains soybeans.

This product contains NO milk, egg, fish, peanuts, crustacean shellfish (lobster, crab, shrimp), tree nuts, wheat, yeast, gluten, corn, or rice. Contains NO sugar, artificial sweeteners, flavors, colors, or preservatives.

OptiLut® is a registered trademark of NutriScience Innovations, LLC.

Lutein Plus with MZ® is a registered trademark of Quantum Nutritionals. Licensed under US Patents 5,523,494; 6,218,436; 6,329,432; and 6,504,067.

Dosage and Use

- Take one softgel daily with or without food, or as recommended by a healthcare practitioner.

Caution

Do not take with fiber supplements.

Warnings

- Keep out of reach of children.
- Do not exceed recommended dose.
- Do not purchase if outer seal is broken or damaged.
- If you have a bad reaction to product discontinue use immediately.
- When using nutritional supplements, please consult with your physician if you are undergoing treatment for a medical condition or if you are pregnant or lactating.

All Contents Copyright © 1995-2009 Life Extension Foundation All rights reserved.

LifeExtension®

These statements have not been evaluated by the FDA. These products are not intended to diagnose, treat, cure or prevent any disease. The information provided on this site is for informational purposes only and is not intended as a substitute for advice from your physician or other health care professional or any information contained on or in any product label or packaging. You should not use the information on this site for diagnosis or treatment of any health problem or for prescription of any medication or other treatment. You should consult with a healthcare professional before starting any diet, exercise or supplementation program, before taking any medication, or if you have or suspect you might have a health problem. You should not stop taking any medication without first consulting your physician.