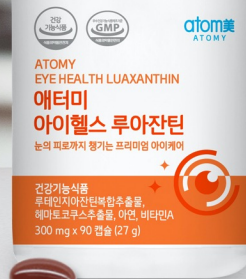


Helps maintain normal eye health**

Atomy Eye Health Luaxanthin



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Atomy Eye Health Luaxanthin

Formulated with ingredients that help support overall eye health.**



1

A complex specifically formulated to support eye health
Lutein+ Zeaxanthin + Astaxanthin + Zinc + Vitamin A

2

6 additional ingredients known to promote eye health

3

Plant-based softgel capsules
Vegetarian-friendly supplements

4

Small capsules (300 mg), easy to swallow
Eye care made easy for the entire family, with 1 capsule a day

** These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Product Features



✓ Promotes to **maintain normal eye health****

Product Name	Atomy Eye Health Luaxanthin
Product Type	Dietary Supplement
Net Contents	90 Softgels
Ingredients	Lutein Zeaxanthin Complex Extract, Hematococcus pluvialis Extract, Zinc Oxide, Vitamin A, Modified Food Starch, Grape Seed Extract Oil, Sunflower Oil, Glycerin, Beeswax, Soy Lecithin, Dextrin, Carrot Concentrate, Calcium Carbonate, Tocopherol (Preservative), Peanut Oil, Hibiscus Concentrate, Citric Acid, Lycium Berry Extract Powder, Orange Extract Powder, Sickle-Pod Senna Extract Powder, Hyaluronic Acid
Suggested Use	Take 1 softgel daily
Storage	Store in a cool, dry place. Keep out of direct sunlight and away from children.

✓ **Supplement Facts**

*Serving Size: 1 Softgel

	Amount Per Serving	% Daily Value
Protein	<1 g	<1%
Vitamin A	230 mcg	26%
Zinc	4.5 mg	41%
Sodium	15 mg	<1%
Lutein	18.2 mg	
Astaxanthin	4 mg	
Zeaxanthin	1.8 mg	

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Lutein, Zeaxanthin, and Astaxanthin is known to help **support vision** and **relieve eye strain**.

Atomy Eye Health Luaxanthin

Lutein



Mainly distributed in the **periphery** of the **macula**

Zeaxanthin



Mainly distributed in the **center** of the **macula**

Astaxanthin (Haematococcus)



Helps **relieve** eye strain

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Quadruple Function Complex



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01

Lutein Zeaxanthin Complex Extract

Maintaining macular pigment density, which decreases with age, is important to eye health.

- ✓ Macular pigment is made up of mostly lutein and zeaxanthin.
- ✓ Macular pigment is not naturally synthesized within the body. It must be acquired through diet or supplementation.
- ✓ Lutein and zeaxanthin work great together in supporting eye health.



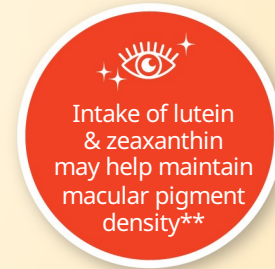
Lutein (Marigold Flower Extract)

Macular pigment component found in the periphery of the macula



Zeaxanthin

Macular pigment component found in the center of the macula



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Lutein Zeaxanthin Complex Extract

In these clinical trials, compared to other nutrients, intake of the Lutein Zeaxanthin Complex Extract was more effective in improving macular pigment density.

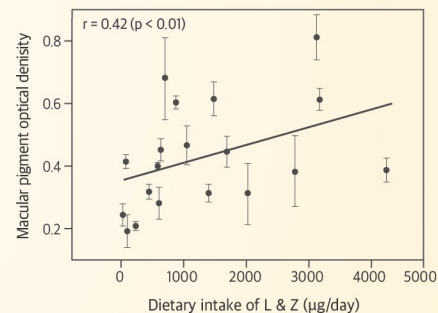
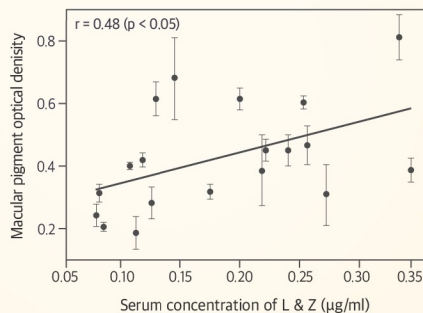
Table 4. Spearman Correlation Coefficients for Selected Study Variables

Diet factors	Macular Pigment Optical Density	Serum Lutein + Zeaxanthin
L + Z intake	0.17*	0.20*
Vegetable intake	0.08	0.18*
Fruit intake	0.15*	0.17*
β-carotene intake	0.13*	0.13*
Fiber intake	0.03	0.05
Fat intake	0.00	-0.09
Iron intake	0.02	0.02

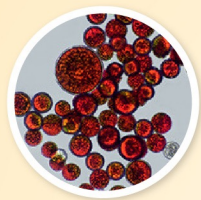
Gulla et al., Ophthalmology (2001) Source

Clinical Test Results

The higher the intake of Lutein Zeaxanthin Complex Extract, the higher the macular pigment density.



Bone et al., Exp. Eye Res. (2000) Source



Haematococcus Extract (Astaxanthin)

May help relieve eye fatigue**

Astaxanthin is a substance that **animals use to protect their own bodies** and is most commonly produced in micro-algae i.e. *Haematococcus pluvialis*.



Patent Title: Human Health	Patent No.
Benefits eye control/focus function	EP 1396264
Treats and prevents Helicobacter infections	US 6262316
Treats muscle disorders/diseases and improves muscle functions	US 6245818
Treats muscle disorders with the use of xanthophyll	CA 2299366
Improves quality and production of semen	US 6410602
Treats and prevents of mastitis	US 6335015
Treats indigestion	US 6923967
Treats intracellular bacterial infection, chronic viral infection, and autoimmune diseases	US 6773708
Inhibits expression of inflammatory cytokine and chemokine	US 078040
Helps reduce body fat	JP 5165894

Patent Title: Animals	Patent No.
Increases production and breeding among poultry	US5744502
Helps increase reproduction of mammals	US6054491

Patent Title: Other	Patent No.
Algae culture device	US6348347
Prevents discoloration of carotenoid pigments	EP2322579

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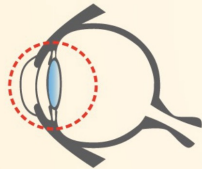
Haematococcus Extract (Astaxanthin)

May help relieve eye strain**

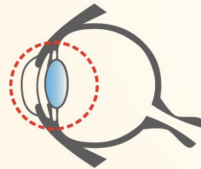
Astaxanthin is a powerful antioxidant that promotes blood circulation in eyes to reduce ciliary muscle fatigue and improves eye control/focus.**

Eye Strain

When looking farther
(Ciliary muscle relaxes
– lens becomes thinner)

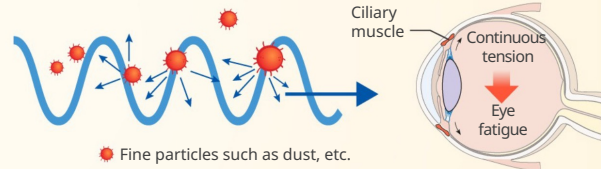


When looking closer
(Ciliary muscle contracts
– lens becomes thicker)



- ✓ When the ciliary muscle, which controls the lens' thickness, is used by looking at a computer monitor or smart device for a long time, it becomes tired due to prolonged tension and thus its control function decreases. The control function of the ciliary muscle does not recover even after resting.

Eye Strain from Digital Devices/Blue Light



- ✓ **Blue light** refers to a blue light source from computers, smartphones, TVs, etc. Unlike red light which has long wavelengths, blue light has the shortest wavelength in the visible light range. Therefore, it **clashes with micro particles in the air and scatters light, resulting in a glare phenomenon**. Human eyes are known to try to focus on the glare and thus the **ciliary muscle continues to move in a tense state, which results in eye strain**.

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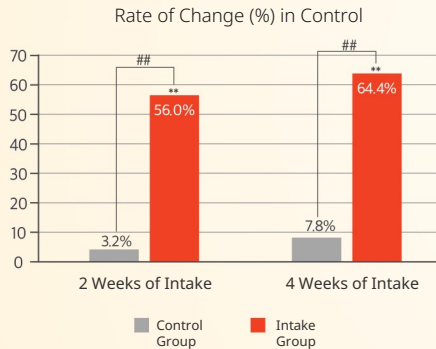
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Haematococcus Extract (Astaxanthin)

Human Test Results

Verified a significant increase in control (rate of change)



The **control** (amplitude of accommodation) refers to the function of **controlling the eye's focus**, and the control was evaluated by measuring the near point distance and the far point distance.

As a result of the measurements, it was judged that the level of control (rate of change) in the **astaxanthin** (haematococcus extract) intake group **significantly increased** and that there was also **improvement in eye fatigue**.



- **Subjects:** 40 subjects (20–60 years old, 30.0 ± 6.0 years for the control group/ 32.4 ± 6.4 years for the study group) (Healthy adults complaining of eye fatigue, who routinely watch TV, play games, or use computers, operated VDT for more than 1 year and are engaged in digital media for more than 4 hours a day.)
- **Daily Intake:** Astaxanthin 6 mg/day (once a day, taken after dinner)
- **Duration of consumption:** 4 weeks



03
Zinc



- 1 Supports normal **immunity function**
- 2 Necessary for normal **cell division**

*RDA: 8 mg (female) / 11 mg (male)

04
Vitamin A

- 1 Helps adapt **vision in darkness**
- 2 Forms **skin and mucous membranes** and maintains function
- 3 Necessary for **growth and development of epithelial cells**

*RDA: 700 mcg RAE (female) / 900 mcg RAE (male)

Vitamin A *Necessary for healthy vision*

It is found in the form of carotenoids in animal-based and green and yellow plant-based foods.

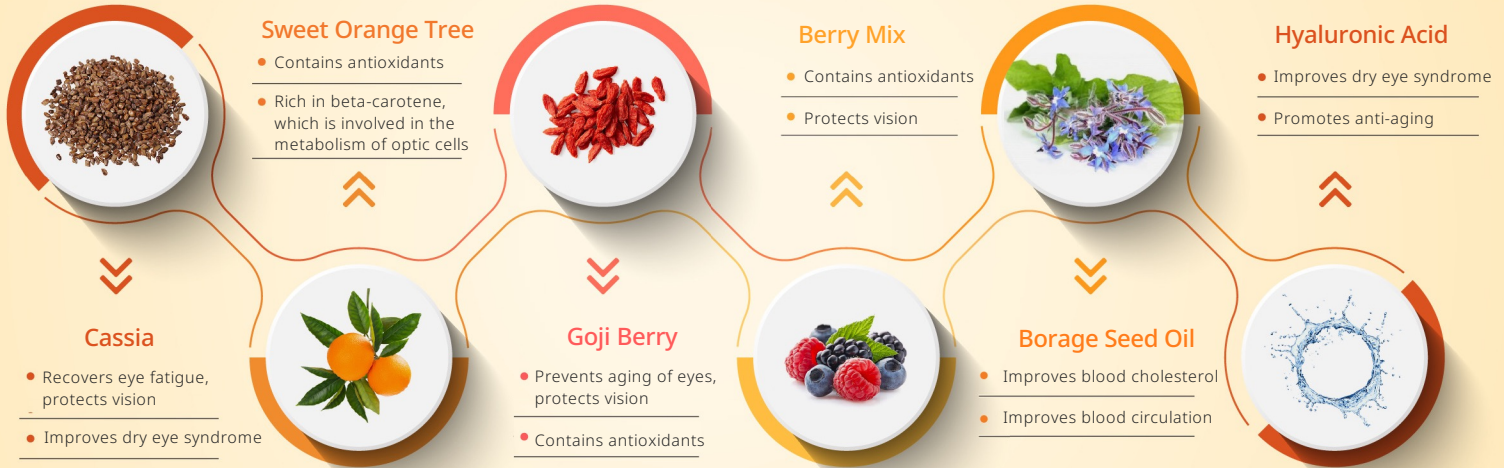
- Vitamin A is needed for the retina of the eye to convert light into a cranial nerve transmission signal.
- Vitamin A and opsins must be combined to form rhodopsin which helps maintain visual action.
- If Vitamin A is insufficient, it becomes harder to see in dark places because rhodopsin cannot be formed in the rod cells.
- Vitamin A can be found in carrots, sweet potatoes, tomatoes, spinach, and parsley.
- It can also be found in seafood, yeast, pumpkins, apples, and chives.

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+6 Ingredients that help promote eye health**




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Plant-Based Capsules extracted from tapioca



 **Plant-based softgel capsules**

*Strongly resistant to changes in external environment, such as temperature and humidity.



Cassava Plant



Cassava Root

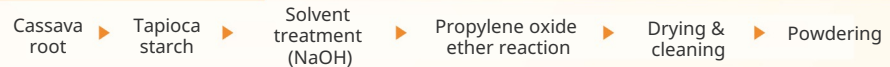


Tapioca



Starch Softgels

Manufacturing process





Certificates for Plant-Based Capsules



Kosher Certificate



Halal Certificate



Certificate of Origin



Non-GMO Certificate (SGS)



Non-GMO Compliance Certificate



Recommended for



This product is recommended for the following people:

- Adults with dim vision due to aging.

- Individuals suffering from eye strain from driving at night.

- People who suffer from eye fatigue due to television.

- Professionals and students who use computers all day.

- Individuals who are frequently exposed to harmful UV rays.

- Anyone who wants to maintain eye health with the right nutrition.

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Caution



Product Precautions

- Take 1 capsule daily with plenty of water.

- Avoid this product if you are allergic to any of its ingredients. Discontinue use and consult with your doctor if adverse reactions occur.

- Do not ingest the desiccant inside the bottle.

- Infants, toddlers, children, pregnant women, and nursing mothers should consume with caution and consult a doctor.

- In the event of an overdose, the skin may temporarily turn yellow.

- Product can interfere with the absorption of B-carotene.

- In the event of any abnormalities, stop intake and consult a doctor.

- Do not consume products that have passed their expiration date.



Macular Degeneration?

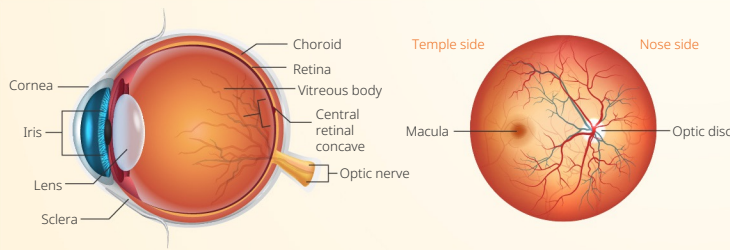
Macula

- Oval-shaped area in the center of the retina of the human eye
- Plays an important role in visual acuity (ex. object recognition and color classification)
- High density of conical cells involved in light, color, and shape detection

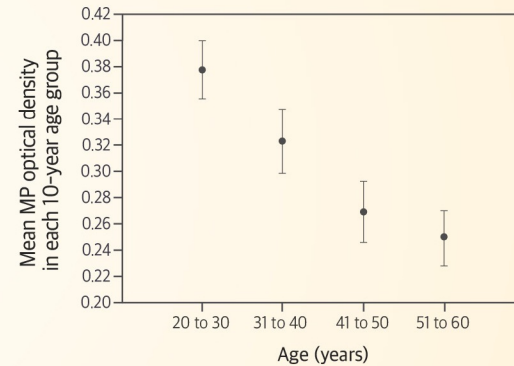
Cause of Macular Degeneration

- Abnormal vascular production in retina due to capillary disorders
- Caused by smoking, high-fat high-calorie diets, stress, obesity, hypertension, and family history

Location and Structure of the Macula



Macular Pigment Density Decreases with Age!



[Source]
Risk factors in age-related maculopathy are associated with a relative lack of macular pigment.



Causes of Deteriorated Eye Function

✓ Physical factors

Degeneration of the ciliary muscle that controls perspective, aging of the optic nerve or retina, etc.

✓ Environmental factors

Heavy use of digital devices, stress, nutrition, poor eating habits, smoking, and etc.



Lifestyle Tips for Eye Health

- ✓ Adults 40 years or older should have regular eye examinations.
- ✓ Have consistent check-ups if you have diabetes, high blood pressure, and dyslipidemia (hyperlipidemia).
- ✓ Consult a doctor when wearing contact lenses.
- ✓ Quit smoking.
- ✓ Wear a hat or sunglasses to block out UV rays during outdoor activities.
- ✓ Maintain proper room temperature and humidity.
- ✓ Use proper lighting indoors to avoid eye strain.
- ✓ Use appropriate protective gear during work and/or exercise.
- ✓ Maintain good posture.
- ✓ Take frequent breaks when reading, watching television, using computers, etc.
- ✓ Drink plenty of water.
- ✓ Consume foods good for eye health i.e. egg yolk, fruits, and green/yellow vegetables.
- ✓ Reduce stress and avoid alcohol.

Price



Product Name	Product Code	Member Price	PV
Atomy Eye Health Luaxanthin	A04007	\$45.00	28,000

