



VEGAN OMEGA-3 AND ASTAXANTHIN FORMULATION



SagaNatura



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The healthy Icelandic AstaCardio includes 4 mg of our natural Icelandic Astaxanthin along with vegan DHA omega-3 fatty acids, straight from the source, algae. Astaxanthin from SagaNatura is produced in a sustainable way using high-tech green houses, renewable hydroelectric energy and pure Icelandic water.

- Help maintain healthy heart, vision and brain activity
- Omega-3s and Astaxanthin can fight inflammation
- Omega-3s and Astaxanthin can improve risk factors for heart disease
- Omega-3s and Astaxanthin can cause a reduction in triglycerides
- Omega-3s and Astaxanthin can raise "good" HDL cholesterol levels
- This product is vegan
- Sustainable production

Astaxanthin (4 mg), supports the protection of our cells when they are under oxidative stress. Astaxanthin protects the skin from photoaging. Photoaging is a term used to describe the damage caused to the skin by harmful UV rays from the sun.



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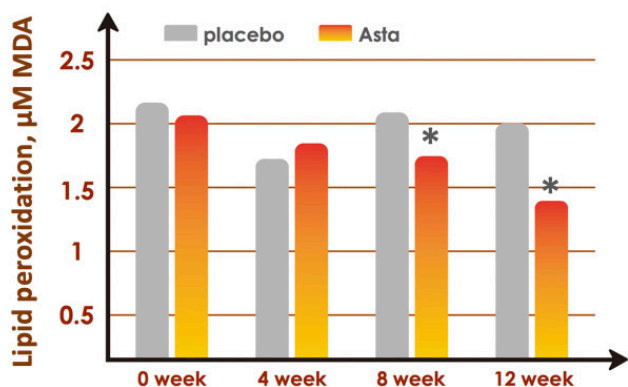
ASTAXANTHIN

EFFECTS ON

CARDIOVASCULAR SYSTEM

Natural Astaxanthin can improve cardiovascular health

Increases good and lowers bad cholesterol, reduces oxidative stress and enhances blood vessels circulation.



Human model – by Choi et al. (2011)

Reduction in LDL cholesterol and oxidative stress biomarkers

This 12 week placebo-controlled study suggests that Astaxanthin can reduce LDL cholesterol and significantly affect lipid peroxidation, which is a marker of oxidative stress.

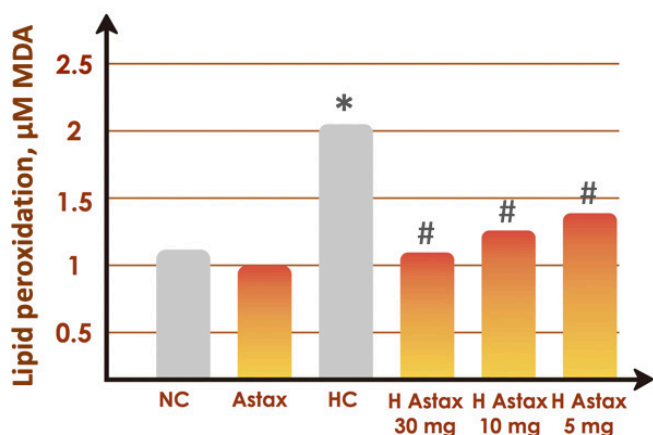
Choi: *Phytother Res.* 2011 Dec;25(12):1813-8.

Human model – by Yoshida et al. (2010)

Astaxanthin lowers blood triglycerides

The clinical trial suggests that Astaxanthin (6 or 12 mg/day for 12 weeks) can reduce circulating triglycerides and elevate HDL cholesterol in subjects with mild hyperlipidemia.

Yoshida et al: *Atherosclerosis.* 2010 Apr;209(2):520-3.



Animal model - by Deng (2016)

Astaxanthin improves blood lipid profile

The study suggests that Astaxanthin can reduce circulating triglycerides and LDL cholesterol, elevate HDL cholesterol and reduce lipid peroxidation.

Deng: *Pharm Biol.* 2017 Dec;55(1):663-672.

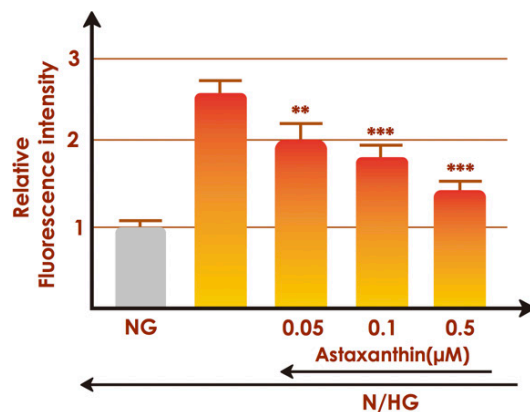
ASTAXANTHIN EFFECTS ON CARDIOVASCULAR SYSTEM

In-vitro Model by Abdelzaher et al (2016)

Decreases oxidative stress

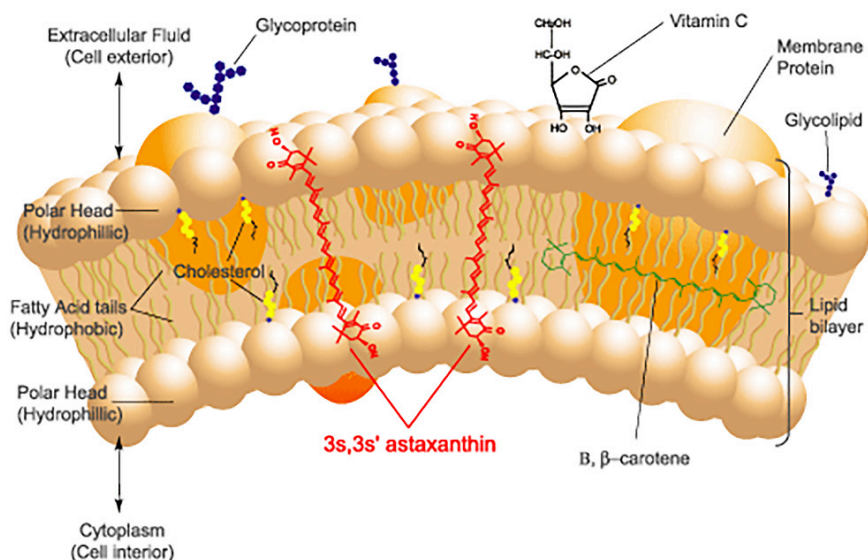
Study suggests that Astaxanthin can reduce oxidative stress induced damage caused by glucose fluctuations in human endothelial cells.

Abdelzaher: Life Sci. 2016 Apr 1;150:24-31.



Antioxidants are molecules that fight the damage made by free radicals, by giving electrons to the free radicals and thereby neutralizing them.

Powerful Singlet Oxygen Quencher & Cell Membrane Protector



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VEGAN OMEGA-3 AND ASTAXANTHIN FORMULATION SPECIFICATION SHEET



Description

Product name	AstaCardio
Brand name	SagaNatura
Suggested dosage	1-2 per serving
Usage	Oral

Packaging

Aluminum bottle
60 capsules per bottle
Also available in bulk

Product specification



Capsule shape, size	Oval, 11a
Appearance	Clear shell with red oil fill
Microbiological quality	Complies with regulation (EC) No. 2073/2005

Capsule fill composition (1 capsules)

SagaNatura K100 astaxanthin oleoresin	44 mg
Astaxanthin	4 mg
Algal DHA oil from <i>Schizochytrium sp.</i>	450 mg
DHA	180 mg
Natural tocopherols E306	29 mg
Vitamin E	4 mg

Capsule shell composition

Modified corn starch
Glycerol
Carrageenan
Sodium carbonate

EC approved health claims

- DHA contributes to normal function of the heart
- DHA contributes to maintenance of normal brain function and vision
- Vitamin E contributes to the protection of cells from oxidative stress

Other information

Irradiation	No
GMO	No
Suitable for Vegetarians	Yes
Suitable for Vegans	Yes
Best before date	2 years from production
Storage conditions	Store in dry area at room temperature

VEGAN OMEGA-3 AND ASTAXANTHIN FORMULATION SPECIFICATION SHEET



Microbiology

Analysis

Limits

Total aerobic plate count	<10 ⁴ cfu/g
Yeast and mould	<10 ³ cfu/g
Coliform	<10 cfu/g
E. coli	Absent in 1 g
Salmonella	Absent in 25 g
Pseudomonas sp.	Absent in 1 g
Staphylococcus aureus	Absent in 1 g

Heavy metals

Analysis

Limits

Arsenic (As)	<2.0 ppm
Cadmium (Cd)	<1.0 ppm
Mercury (Hg)	<0.1 ppm
Lead (Pb)	<1.0 ppm

Allergen statement

The product contains no allergens and is in compliance with regulation (EC) No 1169/2011 on the provision of food information to consumers

Pesticide statement

The product is in compliance with regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin.

GMO statement

The product contains no GMO ingredients and is in compliance with regulation (EC) No 1829/2003 on genetically modified food and feed



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