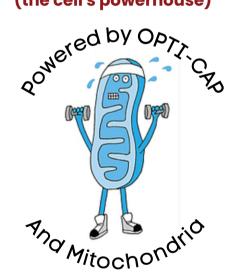




AstaReal® astaxanthin

A Nutrient for Mitochondria (the cell's powerhouse)



Backed by science, Astaxanthin: ³

- ✓ Protects mitochondria from free radical damage
- ✓ Increases ATP energy production
- \checkmark Improves muscle mass and strength
- \checkmark Boosts endurance and power
- \checkmark Improves blood flow
- ✓ Reduces inflammation



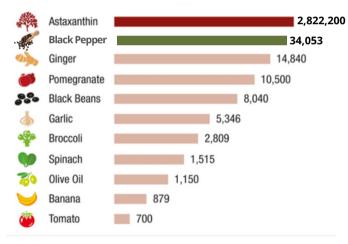
Optixanthin Sdn Bhd (1331899-x)

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www.optixanthin.com.my

OPTI-CAP astaxanthin extract from microalgae Haematococcus Pluvialus is recognized as safe (GRAS) by the USFDA. Optixanthin OPTI-Cap is a traditional medicine. MAL: 16035044T

ORAC of Superfoods - USDA⁴ (µmol TE/100g)



- ORAC (Oxygen Radical Absorbance Capacity) developed by the US Department of Agriculture (USDA), provides an overall measurement of the food's total antioxidant capacity.
- The higher the ORAC score, the greater is the food's total antioxidant capacity.

References:

(1) Gharaei R, Alyasin A, Mahdavinezhad F, Samadian E, Ashrafnezhad Z, Amidi F. Randomized controlled trial of astaxanthin impacts on antioxidant status and assisted reproductive technology outcomes in women with polycystic ovarian syndrome. J Assist Reprod Genet. 2022 Apr;39(4):995-1008.

(2) F. H. Comhaire, Y. El Garem, A. Mahmoud, F. Eertmans, F. Schoonjans. Combined conventional/antioxidant "Astaxanthin" treatment for male infertility: a double blind, randomized trial. Asian J Androl 2005; 7 (3): 257–262. DOI: 10.1111/j.1745-7262.2005.00047.x (3) AstaREAL® improves muscle endurance, LINJALSTHLM | ASTAREAL EDI.2,1211 (4) S. Bhagwat, D.B. Haytowitz, and J.M.Holden. USDA Database for the Oxygen Radical Absorbance Capacity (ORAC) of selected Foods. Nutrient Data Laboratory, Beltsville Human Nutrition Research Center, Beltsville, MD 20705.

Natural, Clinically Proven Approaches to Family Health

Food-based Nutritional Supplement



Causes of Oxidative Stress & Infertility:

Smoking

Systemic Infection





Alcohol

104# • ® Pollution & Radiation



Diabetes & Obesity Cancer

Consequences

- Low sperm count
- Reduced sperm motility
- DNA damage to sperm
- Weak sperm-oocyte adhesion
- Hormone Imbalance



Formulated with Astareal® Astaxanthin & Bioperine® Piperine

Regains balance and control.

33%

200%

increase sperm-oocyte

fusion capability, by improving the fluidity of

sperm membrane.

increase in sperm velocity & sperm concentration.

Increased MII oocyte & high-quality embryo rate.

(1) Results based on a double-blind, randomized controlled trial, involving 30 men with infertility of > 12 months. Parameters were evaluated after 3 months of 16mg/day of Astaxanthin treatment.

(2) Results based on a double-blind, randomized controlled trial, involving female with polycystic ovary syndrome (PCOS). Parameters were evaluated after 40 days of 8mg/day of Astaxanthin treatment.





reduction in sperms' reactive oxidative stress.

54.4%

total pregnancy rate.

Increased antioxidant enzyme, catalase (CAT) and Total Antioxidant Capacity (TAC).