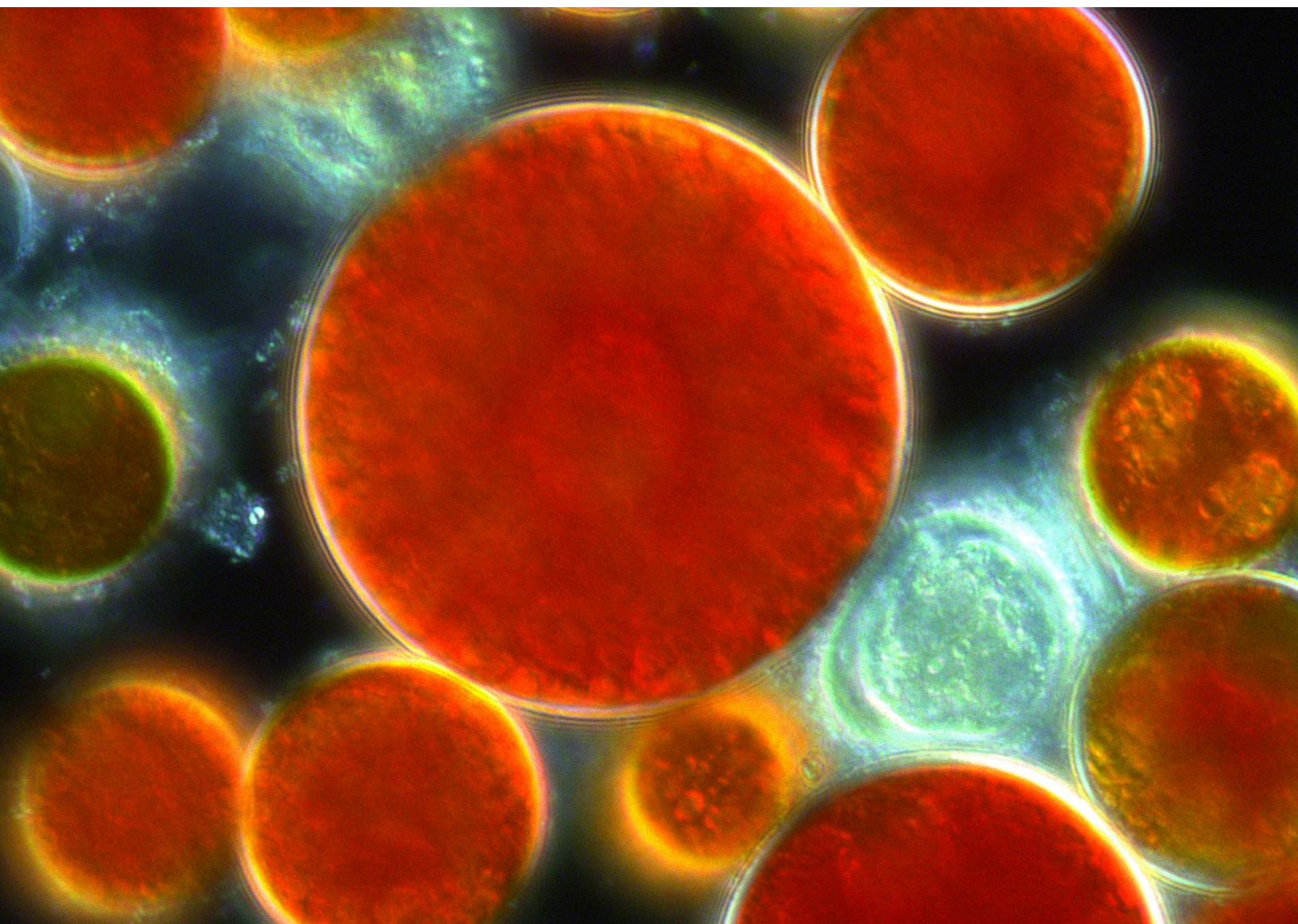


Solasta[®]

ASTAXANTHIN



SOLIX[®]

What is Solasta® Astaxanthin

Solasta® is a natural astaxanthin extract produced from *Haematococcus pluvialis*. It is an excellent source of astaxanthin for use in dietary supplement and personal care applications. Solasta® is non-GMO, vegetarian, and extracted in the USA.

How is Solasta® Made

Natural, non-genetically modified strains of *Haematococcus pluvialis* are cultivated in enclosed photobioreactors using purified water to produce algal biomass used in the production of Solasta®. The algae are harvested by centrifugation. Solasta® astaxanthin is extracted in the USA by a process that uses supercritical CO₂ to ensure safety, quality, and consistency. No pesticides, GMOs, or animal derived materials are used in the production of Solasta®.

Solasta® Quality

Solix Algedredients has been awarded a Natural Products Association/UL GMP Certification for the manufacturing of Solasta® Astaxanthin. GMP (or cGMP) refers to the Current Good Manufacturing Practice regulations enforced by the US Food and Drug Administration (FDA). Solasta meets the strict quality standards set forth in the Astaxanthin Esters Monographs of the Food Chemical Codex¹ and the US Pharmacopeia².



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Solasta® Applications

Research has shown that algal astaxanthin has superior antioxidant activity compared to other well-known antioxidants³. Because of its unique chemical structure, dietary supplementation of astaxanthin may help protect the central nervous system⁴, eye⁵, skin⁶, joint⁷, and muscle⁸ tissues against the effects of oxidation and inflammation. Topical application of algal astaxanthin may also help to reduce the appearance of wrinkles and the size of age spots, and improved skin elasticity and moisture⁹.

About Solix Algedredients

Solix Algedredients is a B2B supplier of algae-based, natural ingredients that benefit health-conscious consumers. The company is a recognized leader in algal cultivation. Solix is applying its algae supply chain experience and expertise to bring Solasta® Astaxanthin and other natural algal ingredients to market. Solix Algedredients is headquartered in Fort Collins, Colorado.

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Product Specifications

Astaxanthin Esters from <i>Haematococcus pluvialis</i>	≥ 5% or ≥ 10%
Appearance	Dark Red Viscous Oil
Heavy Metals	
Lead – Pb	≤ 0.5 ppm
Arsenic – As	≤ 2 ppm
Cadmium – Cd	≤ 1 ppm
Mercury – Hg	≤ 1 ppm
Microbiological	
Total Plate Count	≤ 500 CFU/g
Yeast and Mold	≤ 100 CFU/g
Total Coliform	≤ 100 CFU/g
<i>Pseudomonas aeruginosa</i>	Negative CFU/g
<i>Staphylococcus aureus</i>	Negative CFU/g
<i>Escherichia coli</i>	Negative CFU/g
<i>Salmonella</i>	Negative per 25g
Ash	≤ 5%
Moisture	≤ 1%
Aflatoxin (B1, Total)	≤ 5 ppb, ≤ 20 ppb
Pesticides	≤ 10 ppb for each
Pheophorbide	≤ 0.02% by weight

Other Ingredients:

Safflower oil or extra-virgin olive oil, mixed-tocopherols.

Recommended Storage Conditions:

Material is sensitive to light, heat, oxygen and moisture. Store in original sealed container at 4-10°C.

Product Stability:

Retest two years after date of manufacture.

Product Formats:

Oleo-resin: Solasta® 5% natural astaxanthin and 10% natural astaxanthin

Packaging:

5 kg and 10 kg pails.

All information in this brochure has been carefully compiled but no guarantee can be given of its applicability in any given situation because of the wide variation in conditions of use and regulatory requirements in various countries. Nothing in this information should be construed as a recommendation to use our products in violation of any patent or as a warranty (express or implied) of non-infringement of any patent rights. Prospective purchasers are advised to conduct their own tests and studies to determine the fitness of Solix Algreredients' products for their particular purposes and specific applications.

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