



Asta Health

Natural astaxanthine from algae: anti-aging, resistance promoting and UV-light protecting

Astaxanthine is a powerful anti-oxidant and daily intake protects against UV-light and promotes body resistance. The astaxanthine products are applicable in many products.

Healthy supplements



Healthy drinks



Aquaculture



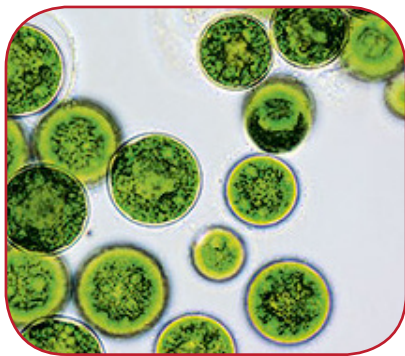
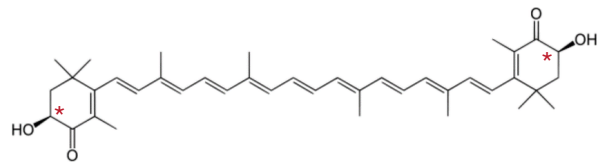
Cosmetics



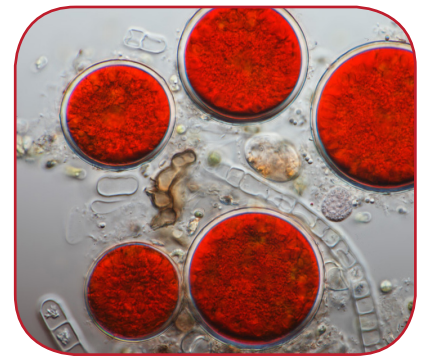
Natural astaxanthin from algae: a healthy and colourful supplement

Molecule structure

Despite that astaxanthine is presented by the chemical structure shown on the right, there exist three 3-dimensional structures of astaxanthine. This is similar to hands: all the parts of the molecule are present, but the 3-dimensional structures are different compared to left and right hands. Only one of these 3 structures can be taken up by the body, namely **AstaHealth**



AstaHealth is produced by a natural isolate from the alga *Haematococcus pluvialis*. They are cultivated in glass sterilisable bioreactors to guarantee the purity of the culture.



Biotech Microbials and **AstaHealth**

AstaHealth contains the natural colourant astaxanthin that detoxifies harmful radicals in our body. It is even more powerful than vitamin C. This nutraceutical also contains other valuable nutrients, for example essential fatty acids (omega-3 and omega-6) and another anti-oxidant, namely vitamin E.

Biotech Microbials has access to the most modern analysis technologies in order to guarantee the safety of the products, presence of the correct form of astaxanthine and its health promoting effect. Furthermore, our company has the knowledge and staff to develop the technology in order to make the astaxanthine applicable in your specific process, products and/or develop new applications.

Products of Biotech Microbials

Biotech Microbials uses a closed algae cultivation system and only uses axenic algae cultures for the production of **AstaHealth**. This system produces high quality algal biomass with high levels of astaxanthin. The purity and safety are assured by our analysis department. The products are deliverable as astaxanthine oils (2.5, 5.0 and 10%), water dispensable powder (2,5%), dried biomass (5%) and soft-gelatine capsules (4, 5 and 12 mg astaxanthine/capsule).