



Algae Products International Ltd

Unlock the extraordinary potential of microalgae and revolutionise your pharmaceutical formulations



Microalgae products are used as natural ingredients in pharmaceutical formulations to improve their efficacy, stability, and shelf-life. They can also enhance the bioavailability of drugs and reduce their toxicity, making them safer and more effective.



**PHARMACEUTICAL**

## Who We are

At API, we are committed to pushing the boundaries of drug development by harnessing the untapped potential of microalgae. Our innovative approach not only enhances health and well-being but also fosters sustainability in the pharmaceutical industry.

## Partner



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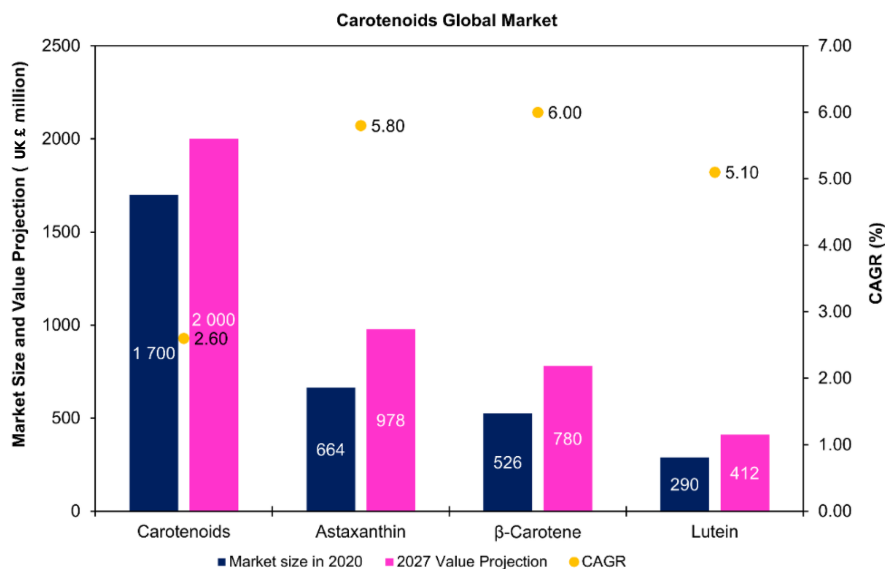
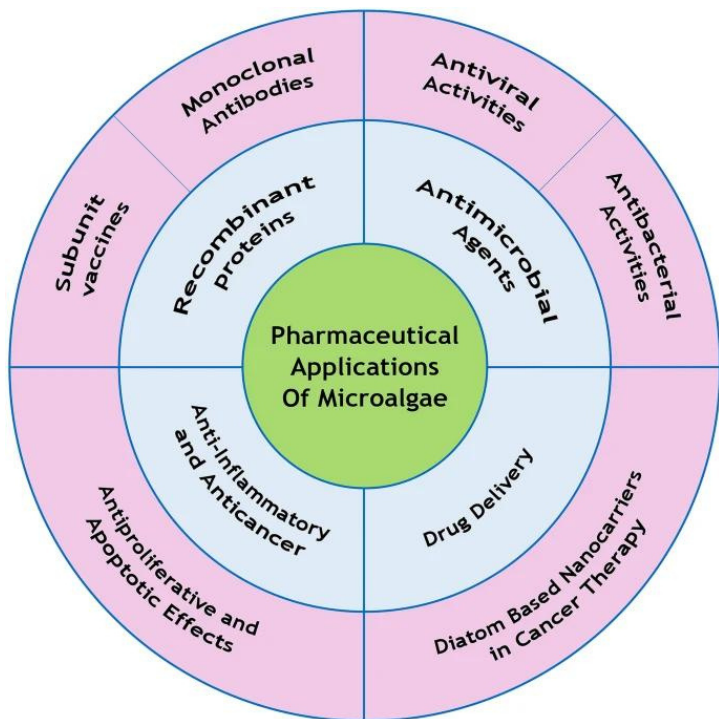
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# WHY MICROALGAE



## Rich in Carotenoids

Microalgae are known for their high content of carotenoids, including astaxanthin, beta-carotene, and lutein. These carotenoids have various health benefits and are in demand in the pharmaceutical industry.

## Health Benefits

Carotenoids like astaxanthin, beta-carotene, and lutein have antioxidant properties and are associated with various health benefits, including eye health, skin health, and immune support.

## Potential Drug Delivery Systems

Microalgae-based nanoparticles and liposomes present novel drug delivery systems with enhanced bioavailability and targeted drug release.

## Neuroprotective Effects

Microalgae-derived compounds have shown neuroprotective potential, offering opportunities in neurodegenerative disease research.

## Wound Healing Applications

Microalgae compounds have demonstrated wound healing properties, promoting the development of advanced wound care pharmaceuticals.

## Cardiovascular Health

Microalgae's potential in managing lipid profiles and blood pressure may lead to pharmaceuticals targeting cardiovascular diseases.

## Prebiotic and Probiotic Applications

Microalgae-based prebiotics and probiotics offer new possibilities for gastrointestinal health and disease management.

## Rich Bioactive Compounds

Microalgae are a treasure trove of bioactive compounds such as lipids, proteins, polysaccharides, and pigments, offering immense potential for pharmaceutical development.



# WHAT WE OFFER



## Microalgae Biomass

Our premium microalgae biomass forms the foundation of our pharmaceutical offerings. Sourced from sustainable cultivation, it is a rich and diverse blend of various bioactive compounds.

## Astaxanthin

Derived from various microalgae species, our astaxanthin is a potent antioxidant with numerous health benefits. It shows great promise in pharmaceutical formulations for its anti-inflammatory and neuroprotective properties.

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## Beta-carotene

Extracted from *Dunaliella salina*, our beta-carotene serves as a pro-vitamin A source, playing a crucial role in eye health and supporting the immune system in pharmaceutical applications.

## Phycocyanin

Harness the vivid blue brilliance of phycocyanin from *Arthrospira platensis*. With its antioxidant and anti-inflammatory properties, it offers potential therapeutic applications in the pharmaceutical industry.

## Carbohydrates

Our microalgae-based carbohydrates act as essential components for the development of novel drug delivery systems, providing sustained release and targeted therapies.

## Chlorophyll

Chlorophyll, obtained from *Chlorella* and *Spirulina*, offers pharmaceutical applications due to its potential in wound healing, detoxification, and antimicrobial properties.

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## Phycoerythrin

The vibrant red pigment, phycoerythrin, sourced from *Porphyridium cruentum*, is a promising candidate for photodynamic therapy and fluorescent imaging in pharmaceutical research.

## Proteins

With a wide array of microalgae species as sources, our protein-rich extracts have applications in pharmaceutical formulations for tissue repair, cell growth, and enzymatic reactions.

## Zeaxanthin

Extracted from various microalgae strains, zeaxanthin's potent antioxidant properties make it valuable for pharmaceutical products targeting eye health and age-related macular degeneration.

## Carotenoids

Explore a diverse range of carotenoids sourced from microalgae, presenting pharmaceutical applications for their antioxidant, anti-inflammatory, and immunomodulating potential.

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## Tailored Solutions for Pharmaceutical Advancement

At Algae Products International Ltd., we take pride in offering tailored solutions to meet your specific pharmaceutical needs. Our experienced team collaborates with you to create custom formulations, ensuring optimal integration of microalgae products in your drug development projects.

