

## Global Astaxanthin Market – Sources, Technologies and Applications

“The report reviews, analyzes and projects the global market for Astaxanthin for the period 2017-2026. Astaxanthin products analyzed in this study include Synthetic Astaxanthin, Haematococcus pluvialis Microalgae Astaxanthin and Astaxanthin-rich Paracoccus bacteria. End-use application markets covered in the report are Aqua & Animal Feed, Nutraceuticals, Cosmetics and Food & Beverages.”

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### Report Synopsis

The impact of COVID-19 pandemic on astaxanthin demand is expected to differ in intensity depending on their end-use application and region. Sharpest declines would be expected in astaxanthin for dietary supplements, cosmetics and aqua feed sectors. Demand for astaxanthin in poultry feed and food & beverages, although less than the normal growth, is expected to be somewhat better compared to other applications.

Volume consumption of Astaxanthin in Asia-Pacific is slated to post the fastest corresponding period CAGR and reach a projected 90 metric tons by 2026. Impacted by COVID-19 pandemic, demand for astaxanthin across the globe is forecast to decline in 2020, with North America being hit hardest by the pandemic registering a negative YOY growth of 9.7%, followed by South America, Japan and Asia-Pacific in 2020 compared to 2019.



### Research Findings & Coverage

- Global Astaxanthin market is explored in this report with respect to key types (based on raw material source) and major end-use applications
- The study extensively analyzes each type and end-use application by key country for all major regions globally
- H. pluvialis Microalgae Astaxanthin Safety in Food Supplements Reaffirmed by the European Food Safety Authority
- Food and Beverages Get Supercharged with Algae Astaxanthin
- Natural Astaxanthin’s High Cost an Impediment to its Growth in the Aqua Feed Industry
- Synthetic Astaxanthin Supplements Raise Concerns for Natural Astaxanthin Manufacturers

- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 58
- The industry guide includes the contact details for 69 companies

### Product Outline

The report analyzes the market for the key types of Astaxanthin (based on raw materials) including:

- Synthetic
- Haematococcus pluvialis Microalgae
- Paracoccus carotinifaciens Bacteria

Major application areas of Astaxanthin analyzed in this study comprise the following:

- Nutraceuticals
- Aqua & Animal Feed
- Cosmetics
- Food & Beverages

### Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Astaxanthin market for the period 2017-2026 in terms of volume consumption in metric tons, market value in US\$ and the compound annual growth rates (CAGRs) projected from 2019 through to 2026 with a special focus on y-o-y growth for 2019-2020

### Geographic Coverage

- Synthetic Astaxanthin
  - North America (United States, Canada and Mexico)
  - South America (Chile, Peru and Rest of South America)
  - Europe (Norway, The United Kingdom and Rest of Europe)
  - Asia-Pacific (China, Japan, Australia and Rest of Asia-Pacific)
  - Rest of World
- Haematococcus pluvialis Microalgae
  - North America (United States and Canada)
  - South America
  - Europe
  - Japan
  - Asia-Pacific (excluding Japan)
  - Rest of World
- Paracoccus carotinifaciens Bacteria
  - North America
  - Europe
  - Japan
  - Chile

## SAMPLE COMPANY PROFILE

### ALGATECHNOLOGIES LTD. (ISRAEL)

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#### Business Overview

Established in 1998, Algatechnologies Ltd., is one of the leading commercial cultivators of microalgae. The company has leadership standing in manufacturing and distributing AstaPure® branded premium natural astaxanthin, which forms a highly potent antioxidant that has been derived from the microalga, Haematococcus pluvialis. Algatechnologies' location in the Arava desert of Israel, having a stable climate and high light intensity, places it ideally in its endeavor of cultivating algae. The company's astaxanthin production includes a novel process, whereby the final product AstaPure® is supplied to the cosmetic, food & beverage and nutrition sectors. Algatechnologies has a worldwide presence, with the company's sales organization offering services to over 30 countries using a wide-ranging network of exclusive distributors, as also through a direct sales network that caters to global clients.

Algatechnologies has adopted the utilization of a closed tubular and eco-friendly cultivation system for producing its AstaPure® natural astaxanthin. This technology enables a highly controlled cultivation system, which eliminates foreign objects, agricultural residues and microbial contamination being introduced into the growing medium. The company has been associated with Ben-Gurion University of the Negev, Israel, since 1998 with the aim of developing and achieving its microalgae cultivation technologies founded on closed and semi-closed reactors. Algatechnologies employs an exclusive and proprietary closed system that includes a modular arrangement of tubular photo-bioreactors, with the entire closed system being based on existing 300 km long glass tubes covering an area of 10 acres of desert land. This computerized, controlled, connected and automatic astaxanthin oleoresin extraction technology has been outsourced to third-party contractors, who employ the supercritical CO2 extraction process. In early 2018, Algatechnologies bought a controlling stake in New Zealand-based Haematococcus pluvialis microalgae cultivation company Supreme Health New Zealand Limited.

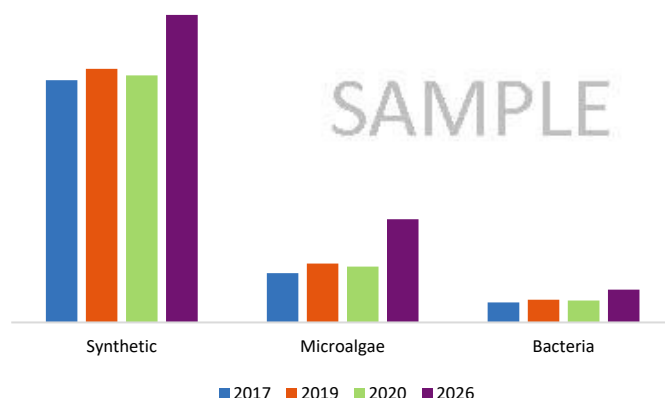
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## SAMPLE TABLE/CHART

Glance at 2017, 2019 and 2026 Global Astaxanthin Market Volume Market Share (%) by Geographic Region - North America, Europe, Japan, Asia-Pacific (excl. Japan), South America and Rest of World



European Astaxanthin Market Analysis (2017-2026) by Raw Material Source – Synthetic, Microalgae and Bacteria in Metric Tons



## KEY PLAYERS PROFILED

- Algatechnologies Ltd.
- Atacama Bio Natural Products SA
- BASF SE
- Beijing Gingko Group
- Biogenic Co., Ltd.
- Cyanotech Corporation
- E.I.D Parry India Ltd.(Valensa International)
- Eneos Corporation
- Evodos BV
- Fuji Chemical Industry Co., Ltd.(Astareal AB)
- Jingzhou Natural Astaxanthin Inc.
- Yunnan Alphy Biotech Co., Ltd.
- Phasex Corporation
- Subitec GmbH
- NextFerm Technologies Ltd
- Royal DSM NV
- Zhejiang NHU Co., Ltd.

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