

# **Europe Chlorella Market by Cultivation Method (Autotrophic), Product (Extracts), Source (Chlorella Vulgaris, Chlorella Pyrenoidosa or Sorokiniana), Application (Nutraceuticals, Food and Beverages, Animal Feed), Distribution Channel (B2C) – Forecast to 2030**

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## **Abstracts**

Europe Chlorella Market by Cultivation Method (Autotrophic), Product (Extracts), Source (Chlorella Vulgaris, Chlorella Pyrenoidosa or Sorokiniana), Application (Nutraceuticals, Food and Beverages, Animal Feed), Distribution Channel (B2C) - Forecast to 2030

The research report titled, 'Europe Chlorella Market by Cultivation Method (Autotrophic), Product (Extracts), Source (Chlorella Vulgaris, Chlorella Pyrenoidosa or Sorokiniana), Application (Nutraceuticals, Food and Beverages, Animal Feed), Distribution Channel (B2C) - Forecast to 2030' provides an in-depth analysis of the chlorella market in the European countries and emphasizes on the current market trends, market size, market shares, recent developments, and forecasts to 2030. In terms of value, the Europe Chlorella Market is projected to reach \$240.3 million by 2030, at a CAGR of 7.2% from 2023 to 2030. In terms of volume, the Europe chlorella market is projected to reach 14,939.8 tons by 2030, at a CAGR of 8.2% during the forecast period 2023–2030.

The growth of this market is mainly driven by the development of innovative chlorella food and beverage products, people's inclination towards health, wellness, and a protein-rich diet, and the growing nutraceuticals industry, growing vegetarianism. Moreover, the growing demand for chlorella extracts is expected to create growth opportunities for the players operating in the Europe chlorella market. However, the risk

of contamination, high production cost, and complex production of algae products restrain the growth of this market.

The Europe chlorella market is segmented by cultivation method (autotrophic cultivation {open-pond autotrophic cultivation, closed-pond autotrophic cultivation}, heterotrophic cultivation), product (powder, tablets, extracts, capsules, and other chlorella products), source (chlorella vulgaris, chlorella pyrenoidosa/sorokiniana, and other sources), application (nutraceuticals, food & beverages, animal feed, cosmetics, and other applications), and distribution channel (business-to-business (B2B), business-to-consumer (B2C) {offline channel, online channel}). The study also evaluates industry competitors and analyzes the country-level markets.

Based on cultivation method, the heterotrophic cultivation segment is projected to register the higher CAGR during the forecast period due to the benefits of heterotrophic cultivation systems, such as higher productivity, lower risk of contamination, low water consumption, low space requirements, and excellent purity of biomass. However, the construction, maintenance, and operation of heterotrophic systems are considerably more costly, which limits the adoption of the heterotrophic cultivation method.

Based on product, in 2023, the powder segment is expected to account for the largest share of the Europe chlorella market. The large market share of this segment is mainly attributed to the growing usage of chlorella powder as a strong coloring agent, the growing number of health-conscious consumers, increasing demand from the food & beverages industry to use it as an ingredient, and the ability of chlorella powder to get rid of heavy metal and ash content like mercury from the body.

Based on application, in 2023, the nutraceuticals segment is expected to account for the largest share of the Europe chlorella market. The large market share of this segment is mainly driven by the factors such as the increasing consumer awareness regarding the health benefits of chlorella, growing demand for functional foods, and advantages of chlorella as an ideal health product that integrates metabolism, balances the body, and regulates immune effects.

Based on distribution channel, the business-to-consumer (B2C) segment is projected to register the higher CAGR during the forecast period. The growth of this segment is mainly driven by the growing vegan population, rising healthy eating habits, rising disposable income, the growing preference for personalization, consumer convenience, and greater product selection. Furthermore, the increasing consumer inclination towards online shopping is one of the factors expected to provide growth opportunities for

stakeholders operating in this market.

Based on geography, the Europe chlorella market is segmented into Germany, France, the U.K., Italy, Spain, the Netherlands, Denmark, Sweden, and the Rest of Europe. In 2023, Germany is expected to account for the largest share of the Europe chlorella market. The large share of this market is mainly attributed to the growing vegetarian population, rising consumer awareness about the health and environmental impacts of conventional meat and animal welfare, and rising technological advancements in chlorella production.

## Key Players

The report offers a competitive landscape based on an extensive assessment of the product portfolio offerings, geographic presences, and key strategic developments adopted by leading market players in this market in the last three to four years. The key players operating in the Europe chlorella market include E.I.D. - Parry (India) Limited (A Subsidiary of M/S. Ambadi Investments Limited) (India), C.B.N. Bio-Engineering Co., Ltd (China), YUNNAN GREEN A BIOLOGICAL PROJECT CO., LTD. (Yunnan Spirin Biotechnology Co. Ltd) (China), JIANGSHAN COMP SPIRULINA CO.,LTD (China), DAESANG Corporation (Korea), Fuqing King Dnarmsa Spirulina Co., Ltd. China), Taiwan Chlorella Manufacturing Company (TCMC) (Taiwan), AlgoSource (France), Bluetec Naturals CO., LTD. (China), Yaeyama Shokusan Co., Ltd. (Euglena Co Ltd) (Japan), Sun Chlorella Corporation (Japan), Roquette KI?tze GmbH & Co. KG (Germany), Inner Mongolia Rejuve Biotech Co., Ltd. (China), Tianjin Norland Biotech Co., Ltd (China), Far East Microalgae Industries, Co., Ltd.(FEMICO) (Taiwan), Far East Bio-Tec. Co., Ltd. (FEBICO) (Taiwan), Allmicroalgae Natural Products S.A. (Portugal), Aliga Microalgae (Denmark), Necton S.A. (Portugal), BlueBioTech Group (Germany), Qingdao Haizhijiao Biotechnology Co., Ltd (China), Pond Technologies Inc. (Canada), Hangzhou OuQi Food co., Ltd. (China), Reed Mariculture Inc. (U.S.), Vedan Biotechnology Corporation (Taiwan), Phycom BV (Netherlands), TAIWAN WILSON ENTERPRISE INC. (Taiwan), Gong Bih Enterprise Co., Ltd. (Taiwan), and Astaxa GmbH (Germany).

## Scope of the report

### Europe Chlorella Market Assessment, by Cultivation Method

#### Autotrophic Cultivation

Open Pond Autotrophic Cultivation

Closed Pond Autotrophic Cultivation

Heterotrophic Cultivation

Europe Chlorella Market Assessment, by Product

Powder

Tablets

Extract

Capsules

Other Chlorella Products

Europe Chlorella Market Assessment, by Source

Chlorella Vulgaris

Chlorella Pyrenoidosa or Sorokiniana

Other Sources

Europe Chlorella Market Assessment, by Application

Nutraceuticals

Food & Beverages

Animal Feed

Cosmetics

## Other Applications

### Europe Chlorella Market Assessment, by Distribution Channel

Business-to-Business (B2B)

Business-to-Consumer (B2C)

Offline Channel

Online Channel

### Europe Chlorella Market Assessment, by Geography

Germany

France

U.K.

Italy

Spain

Netherlands

Denmark

Sweden

Rest of Europe

### Key Questions Answered in the Report:

Which are the high-growth market segments in terms of cultivation method, product, source, application, distribution channel and region/country?

What is the size of the Europe chlorella market, and at what CAGR is this market projected to grow during 2023–2030?

What are the market forecasts and estimates for 2023–2030?

What are the major drivers, restraints, and opportunities in the Europe chlorella market?

Who are the major players in the Europe chlorella market?

How is the competitive landscape, and who are the market leaders in the Europe chlorella market?

What are the recent developments in the Europe chlorella market?

What are the geographical trends and high-growth countries?

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