

**Galacto-oligosaccharide Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Form (Syrup, Powder, Others), By Application (Food & Beverage, Animal Feed, Cosmetics, Others), By Region and Competition, 2020-2030F**

Market Report | 2025-09-14 | 185 pages | TechSci Research

**AVAILABLE LICENSES:**

- Single User License \$4500.00
- Multi-User License \$5500.00
- Custom Research License \$8000.00

**Report description:**

Market Overview

Global Galacto-oligosaccharide Market was valued at USD 776.54 Million in 2024 and is expected to reach USD 1005.51 Million by 2030 with a CAGR of 4.60%. Galacto-oligosaccharides are prebiotic fibers derived from lactose, known for their ability to support digestive health, enhance immune function, and promote the growth of beneficial gut bacteria such as bifidobacteria and lactobacilli. Growing consumer awareness around gut health and the broader health benefits of prebiotics has significantly contributed to the rising adoption of GOS in a wide range of products.

These include infant formula, dairy products, dietary supplements, functional beverages, and even animal nutrition. However, the market does face certain challenges. Fluctuations in the price and availability of raw materials, particularly lactose, can impact production costs. Additionally, competition from alternative prebiotic fibers-such as fructo-oligosaccharides (FOS), inulin, and newly developed synthetic HMOs-poses a potential threat to market share.

Key Market Drivers

Growth in Food & Beverage Industry

The global Galacto-oligosaccharide (GOS) market is experiencing robust growth, significantly driven by the ongoing expansion and diversification of the food and beverage (F&B) industry. Total revenue in the Food & Drink market reached USD 2.00 billion in 2022. A global analysis identified the United States as the leading contributor to this revenue. As consumer preferences continue to shift toward functional, health-enhancing, and gut-friendly products, food manufacturers are increasingly incorporating prebiotic ingredients like GOS into their product portfolios.

GOS, a type of non-digestible carbohydrate with strong prebiotic properties, has gained widespread attention for its ability to

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

support digestive health, improve immunity, and promote the growth of beneficial gut bacteria. In 2024, a randomized, double-blind clinical trial with 63 patients suffering from functional constipation demonstrated that GOS supplementation significantly increased bowel movement frequency and improved stool consistency. These health benefits make it an attractive ingredient across a range of F&B applications, including infant formula, dairy products, nutritional supplements, functional beverages, and bakery items.

#### Key Market Challenges

##### Availability of Raw Materials

One of the critical challenges confronting the global galacto-oligosaccharide (GOS) market is the availability and consistency of raw materials, primarily lactose, which is the key substrate for GOS production. The supply of high-quality lactose is heavily dependent on dairy industry outputs, which can be influenced by factors such as seasonal variations, fluctuations in milk production, and geopolitical issues affecting trade and logistics. These variables can lead to supply constraints or increased raw material costs, impacting production schedules and pricing strategies for GOS manufacturers.

Furthermore, as demand for lactose-based ingredients grows across multiple industries, competition for raw materials intensifies, potentially exacerbating supply chain vulnerabilities. Manufacturers must therefore invest in supply chain diversification and develop strategic partnerships with dairy producers to mitigate risks associated with raw material availability. Addressing this challenge is essential to maintaining stable production volumes, controlling costs, and meeting the rising market demand for GOS-based products globally.

#### Key Market Trends

##### Growth in Infant Nutrition Applications

A significant trend shaping the global Galacto-oligosaccharide (GOS) market is the accelerated growth in infant nutrition applications. With increasing awareness among parents and healthcare professionals regarding the importance of early-life gut health and immunity, GOS is becoming a preferred ingredient in infant formula and related products. New research in 2025 indicates that infants consuming a more diverse range of plant-based foods develop a more mature gut microbiome, establishing a foundation for improved long-term health.

Galacto-oligosaccharides closely mimic the functional properties of human milk oligosaccharides (HMOs), which are naturally present in breast milk and known to support the development of a healthy gut microbiome in infants. This similarity makes GOS an essential additive in infant formulas, where it helps promote the growth of beneficial bifidobacteria and enhances digestive comfort, reducing common issues such as colic and constipation.

#### Key Market Players

- [ ] VITALUS NUTRITION INC.
- [ ] Ingredion
- [ ] Fonterra Co-operative Group Limited
- [ ] Clasado
- [ ] Shandong Bailong Chuangyuan Bio-Tech Co., Ltd.
- [ ] Snow Brand Milk Products Co. Ltd.
- [ ] Royal FrieslandCampina
- [ ] Kerry Group
- [ ] Kowa Europe GmbH

#### Report Scope

In this report, the Global Galacto-oligosaccharide Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

##### - [ ] Galacto-oligosaccharide Market, By Form:

- o Syrup
- o Powder
- o Others

##### - [ ] Galacto-oligosaccharide Market, By Application:

- o Food & Beverage

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- o Animal Feed
- o Cosmetics
- o Others

-□Galacto-oligosaccharide Market, By Region:

- o North America
  - United States
  - Canada
  - Mexico
- o Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- o Asia Pacific
  - China
  - India
  - Japan
  - Australia
  - South Korea
- o South America
  - Brazil
  - Argentina
  - Colombia
- o Middle East & Africa
  - South Africa
  - Saudi Arabia
  - UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Galacto-oligosaccharide Market.

Available Customizations:

Global Galacto-oligosaccharide Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□Detailed analysis and profiling of additional market players (up to five).

## **Table of Contents:**

1. Product Overview
  - 1.1. Market Definition
  - 1.2. Scope of the Market
    - 1.2.1. Markets Covered
    - 1.2.2. Years Considered for Study
    - 1.2.3. Key Market Segmentations
2. Research Methodology
  - 2.1. Objective of the Study
  - 2.2. Baseline Methodology

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations
- 3. Executive Summary
  - 3.1. Overview of the Market
  - 3.2. Overview of Key Market Segmentations
  - 3.3. Overview of Key Market Players
  - 3.4. Overview of Key Regions/Countries
  - 3.5. Overview of Market Drivers, Challenges, and Trends
- 4. Impact of COVID-19 on Global Galacto-oligosaccharide Market
- 5. Global Galacto-oligosaccharide Market Outlook
  - 5.1. Market Size & Forecast
    - 5.1.1. By Value
  - 5.2. Market Share & Forecast
    - 5.2.1. By Form (Syrup, Powder, Others)
    - 5.2.2. By Application (Food & Beverage, Animal Feed, Cosmetics, Others)
    - 5.2.3. By Region
    - 5.2.4. By Company (2024)
  - 5.3. Market Map
- 6. North America Galacto-oligosaccharide Market Outlook
  - 6.1. Market Size & Forecast
    - 6.1.1. By Value
  - 6.2. Market Share & Forecast
    - 6.2.1. By Form
    - 6.2.2. By Application
    - 6.2.3. By Country
  - 6.3. North America: Country Analysis
    - 6.3.1. United States Galacto-oligosaccharide Market Outlook
      - 6.3.1.1. Market Size & Forecast
        - 6.3.1.1.1. By Value
      - 6.3.1.2. Market Share & Forecast
        - 6.3.1.2.1. By Form
        - 6.3.1.2.2. By Application
    - 6.3.2. Mexico Galacto-oligosaccharide Market Outlook
      - 6.3.2.1. Market Size & Forecast
        - 6.3.2.1.1. By Value
      - 6.3.2.2. Market Share & Forecast
        - 6.3.2.2.1. By Form
        - 6.3.2.2.2. By Application
    - 6.3.3. Canada Galacto-oligosaccharide Market Outlook
      - 6.3.3.1. Market Size & Forecast
        - 6.3.3.1.1. By Value
      - 6.3.3.2. Market Share & Forecast
        - 6.3.3.2.1. By Form
        - 6.3.3.2.2. By Application

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 7. Europe Galacto-oligosaccharide Market Outlook
  - 7.1. Market Size & Forecast
    - 7.1.1. By Value
  - 7.2. Market Share & Forecast
    - 7.2.1. By Form
    - 7.2.2. By Application
    - 7.2.3. By Country
  - 7.3. Europe: Country Analysis
    - 7.3.1. France Galacto-oligosaccharide Market Outlook
      - 7.3.1.1. Market Size & Forecast
        - 7.3.1.1.1. By Value
      - 7.3.1.2. Market Share & Forecast
        - 7.3.1.2.1. By Form
        - 7.3.1.2.2. By Application
    - 7.3.2. Germany Galacto-oligosaccharide Market Outlook
      - 7.3.2.1. Market Size & Forecast
        - 7.3.2.1.1. By Value
      - 7.3.2.2. Market Share & Forecast
        - 7.3.2.2.1. By Form
        - 7.3.2.2.2. By Application
    - 7.3.3. United Kingdom Galacto-oligosaccharide Market Outlook
      - 7.3.3.1. Market Size & Forecast
        - 7.3.3.1.1. By Value
      - 7.3.3.2. Market Share & Forecast
        - 7.3.3.2.1. By Form
        - 7.3.3.2.2. By Application
    - 7.3.4. Italy Galacto-oligosaccharide Market Outlook
      - 7.3.4.1. Market Size & Forecast
        - 7.3.4.1.1. By Value
      - 7.3.4.2. Market Share & Forecast
        - 7.3.4.2.1. By Form
        - 7.3.4.2.2. By Application
    - 7.3.5. Spain Galacto-oligosaccharide Market Outlook
      - 7.3.5.1. Market Size & Forecast
        - 7.3.5.1.1. By Value
      - 7.3.5.2. Market Share & Forecast
        - 7.3.5.2.1. By Form
        - 7.3.5.2.2. By Application
  - 8. Asia Pacific Galacto-oligosaccharide Market Outlook
    - 8.1. Market Size & Forecast
      - 8.1.1. By Value
    - 8.2. Market Share & Forecast
      - 8.2.1. By Form
      - 8.2.2. By Application
      - 8.2.3. By Country
    - 8.3. Asia Pacific: Country Analysis
      - 8.3.1. China Galacto-oligosaccharide Market Outlook

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 8.3.1.1. Market Size & Forecast
  - 8.3.1.1.1. By Value
- 8.3.1.2. Market Share & Forecast
  - 8.3.1.2.1. By Form
  - 8.3.1.2.2. By Application
- 8.3.2. India Galacto-oligosaccharide Market Outlook
  - 8.3.2.1. Market Size & Forecast
    - 8.3.2.1.1. By Value
  - 8.3.2.2. Market Share & Forecast
    - 8.3.2.2.1. By Form
    - 8.3.2.2.2. By Application
- 8.3.3. South Korea Galacto-oligosaccharide Market Outlook
  - 8.3.3.1. Market Size & Forecast
    - 8.3.3.1.1. By Value
  - 8.3.3.2. Market Share & Forecast
    - 8.3.3.2.1. By Form
    - 8.3.3.2.2. By Application
- 8.3.4. Japan Galacto-oligosaccharide Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Form
    - 8.3.4.2.2. By Application
- 8.3.5. Australia Galacto-oligosaccharide Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Form
    - 8.3.5.2.2. By Application
- 9. South America Galacto-oligosaccharide Market Outlook
  - 9.1. Market Size & Forecast
    - 9.1.1. By Value
  - 9.2. Market Share & Forecast
    - 9.2.1. By Form
    - 9.2.2. By Application
    - 9.2.3. By Country
  - 9.3. South America: Country Analysis
    - 9.3.1. Brazil Galacto-oligosaccharide Market Outlook
      - 9.3.1.1. Market Size & Forecast
        - 9.3.1.1.1. By Value
      - 9.3.1.2. Market Share & Forecast
        - 9.3.1.2.1. By Form
        - 9.3.1.2.2. By Application
    - 9.3.2. Argentina Galacto-oligosaccharide Market Outlook
      - 9.3.2.1. Market Size & Forecast
        - 9.3.2.1.1. By Value
      - 9.3.2.2. Market Share & Forecast

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 9.3.2.2.1. By Form
- 9.3.2.2.2. By Application
- 9.3.3. Colombia Galacto-oligosaccharide Market Outlook
  - 9.3.3.1. Market Size & Forecast
    - 9.3.3.1.1. By Value
  - 9.3.3.2. Market Share & Forecast
    - 9.3.3.2.1. By Form
    - 9.3.3.2.2. By Application
- 10. Middle East and Africa Galacto-oligosaccharide Market Outlook
  - 10.1. Market Size & Forecast
    - 10.1.1. By Value
  - 10.2. Market Share & Forecast
    - 10.2.1. By Form
    - 10.2.2. By Application
    - 10.2.3. By Country
  - 10.3. MEA: Country Analysis
    - 10.3.1. South Africa Galacto-oligosaccharide Market Outlook
      - 10.3.1.1. Market Size & Forecast
        - 10.3.1.1.1. By Value
      - 10.3.1.2. Market Share & Forecast
        - 10.3.1.2.1. By Form
        - 10.3.1.2.2. By Application
    - 10.3.2. Saudi Arabia Galacto-oligosaccharide Market Outlook
      - 10.3.2.1. Market Size & Forecast
        - 10.3.2.1.1. By Value
      - 10.3.2.2. Market Share & Forecast
        - 10.3.2.2.1. By Form
        - 10.3.2.2.2. By Application
    - 10.3.3. UAE Galacto-oligosaccharide Market Outlook
      - 10.3.3.1. Market Size & Forecast
        - 10.3.3.1.1. By Value
      - 10.3.3.2. Market Share & Forecast
        - 10.3.3.2.1. By Form
        - 10.3.3.2.2. By Application
- 11. Market Dynamics
  - 11.1. Drivers
  - 11.2. Challenges
- 12. Market Trends & Developments
  - 12.1. Merger & Acquisition (If Any)
  - 12.2. Product Launches (If Any)
  - 12.3. Recent Developments
- 13. Disruptions: Conflicts, Pandemics and Trade Barriers
- 14. Global Galacto-oligosaccharide Market: SWOT Analysis
- 15. Porters Five Forces Analysis
  - 15.1. Competition in the Industry
  - 15.2. Potential of New Entrants
  - 15.3. Power of Suppliers

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 15.4. Power of Customers
- 15.5. Threat of Substitute Products
- 16. Competitive Landscape
  - 16.1. VITALUS NUTRITION INC.
    - 16.1.1. Business Overview
    - 16.1.2. Company Snapshot
    - 16.1.3. Products & Services
    - 16.1.4. Financials (As Reported)
    - 16.1.5. Recent Developments
    - 16.1.6. Key Personnel Details
    - 16.1.7. SWOT Analysis
  - 16.2. Ingredion
  - 16.3. Fonterra Co-operative Group Limited
  - 16.4. Clasado
  - 16.5. Shandong Bailong Chuangyuan Bio-Tech Co., Ltd.
  - 16.6. Snow Brand Milk Products Co. Ltd.
  - 16.7. Royal FrieslandCampina
  - 16.8. Kerry Group
  - 16.9. Kowa Europe GmbH
- 17. Strategic Recommendations
- 18. About Us & Disclaimer

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Galacto-oligosaccharide Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Form (Syrup, Powder, Others), By Application (Food & Beverage, Animal Feed, Cosmetics, Others), By Region and Competition, 2020-2030F**

Market Report | 2025-09-14 | 185 pages | TechSci Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4500.00
	Multi-User License	\$5500.00
	Custom Research License	\$8000.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-04

Signature

A large, empty rectangular box intended for a signature.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)