

# **Global Lignans Market Size study, by Source (Plant Resins, Cereals & Grains), by Application (Food & Beverages, Animal Nutrition), and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GF150670511EEN.html>

Date: April 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GF150670511EEN

## **Abstracts**

The Global Lignans Market is valued at approximately USD 351.6 million in 2023 and is anticipated to grow at a robust CAGR of 6.8% over the forecast period 2024-2032.

Lignans—naturally occurring polyphenolic compounds predominantly found in plant-based sources—have carved a pivotal niche within the health-focused segments of the food and nutraceutical industries. Recognized for their antioxidant, anti-inflammatory, and hormone-balancing properties, lignans are increasingly integrated into dietary formulations aimed at enhancing cardiovascular, metabolic, and hormonal health. Extracted primarily from plant resins, cereals, and grains such as flaxseed, sesame, and rye, lignans offer a dual advantage of functional potency and clean-label appeal, aligning perfectly with the broader consumer shift toward natural and minimally processed wellness ingredients.

This market's growth trajectory is significantly shaped by the rising global emphasis on functional foods and preventive healthcare. As chronic lifestyle disorders become more prevalent, consumers and manufacturers alike are steering toward ingredients that not only support general health but also address specific conditions such as hormone-related cancers and cardiovascular ailments. In the food and beverage sector, lignans are being infused into cereals, dairy alternatives, baked goods, and fortified beverages. Simultaneously, the animal nutrition segment is witnessing increased adoption, where lignans are utilized to enhance immune function, reduce inflammation, and improve reproductive health in livestock and pets. Nevertheless, despite their promising health benefits, lignans face challenges related to bioavailability, stability during processing, and the complexities of standardizing extraction techniques across different raw

material sources.

Technological innovation remains at the forefront of lignans market expansion. With advancements in encapsulation and fermentation processes, manufacturers are overcoming previous limitations related to compound degradation and absorption rates. Biotech-driven extraction methods are also gaining ground, allowing for purer isolates with enhanced efficacy while preserving environmental sustainability. Moreover, ongoing research is uncovering newer sources of lignans and exploring synergistic blends with other phytochemicals, which could further broaden the application landscape across fortified foods, sports nutrition, and functional beverages.

On a regional scale, Europe dominated the lignans market in 2023, buoyed by a high level of consumer awareness, sophisticated nutraceutical infrastructure, and supportive regulatory frameworks that encourage the use of plant-based health enhancers. Countries such as Germany, France, and the Nordic nations have emerged as leading adopters, integrating lignans into mainstream food products and supplements. North America follows closely, driven by the surge in demand for natural ingredients and the burgeoning popularity of flaxseed-based products. Meanwhile, the Asia Pacific region is anticipated to exhibit the highest growth rate during the forecast period, underpinned by expanding middle-class populations, increasing disposable incomes, and a rising inclination toward holistic nutrition in countries like China, India, and South Korea.

Major market player included in this report are:

Archer Daniels Midland Company

Linnea SA

BioGin Biochemicals Co., Ltd.

Naturalin Bio-Resources Co., Ltd.

Cayman Chemical Company

Xi'an Greena Biotech Co., Ltd.

Plamed Green Science Group

TSKG Products

KCI Ltd.

Beijing Brilliance Bio

PerkinElmer Inc.

Hunan NutraMax Inc.

Skuny Bioscience Co., Ltd.

Herbs & Crops Overseas

Alchem International Pvt. Ltd.

The detailed segments and sub-segment of the market are explained below:

#### By Source

Plant Resins

Cereals & Grains

#### By Application

Food & Beverages

Animal Nutrition

#### By Region:

##### North America

U.S.

Canada

## Europe

UK

Germany

France

Spain

Italy

ROE

## Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

## Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### CHAPTER 1. GLOBAL LIGNANS MARKET EXECUTIVE SUMMARY

- 1.1. Global Lignans Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. {By Source}
  - 1.3.2. {By Application}
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### CHAPTER 2. GLOBAL LIGNANS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### CHAPTER 3. GLOBAL LIGNANS MARKET DYNAMICS

- 3.1. Market Drivers

- 3.1.1. Increasing Consumer Focus on Preventive Healthcare and Functional Foods
- 3.1.2. Rising Demand for Natural, Clean-Label Wellness Ingredients
- 3.1.3. Advancements in Extraction and Encapsulation Technologies
- 3.2. Market Challenges
  - 3.2.1. Bioavailability and Stability Issues During Processing
  - 3.2.2. Complexities in Standardizing Extraction Techniques
- 3.3. Market Opportunities
  - 3.3.1. Expansion in Emerging Markets
  - 3.3.2. Innovative Blending with Other Phytochemicals
  - 3.3.3. Adoption of Sustainable and Eco-friendly Extraction Methods

## **CHAPTER 4. GLOBAL LIGNANS MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top Investment Opportunity
- 4.4. Top Winning Strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL LIGNANS MARKET SIZE & FORECASTS BY SOURCE 2022-2032**

- 5.1. Segment Dashboard
- 5.2. Global Lignans Market: {Source} Revenue Trend Analysis, 2022 & 2032 (USD)

Million)

5.2.1. Plant Resins

5.2.2. Cereals & Grains

## **CHAPTER 6. GLOBAL LIGNANS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

6.1. Segment Dashboard

6.2. Global Lignans Market: {Application} Revenue Trend Analysis, 2022 & 2032 (USD Million)

6.2.1. Food & Beverages

6.2.2. Animal Nutrition

## **CHAPTER 7. GLOBAL LIGNANS MARKET SIZE & FORECASTS BY REGION 2022-2032**

7.1. North America Lignans Market

7.1.1. U.S. Lignans Market

7.1.2. Canada Lignans Market

7.2. Europe Lignans Market

7.2.1. U.K. Lignans Market

7.2.2. Germany Lignans Market

7.2.3. France Lignans Market

7.2.4. Spain Lignans Market

7.2.5. Italy Lignans Market

7.2.6. Rest of Europe (ROE) Lignans Market

7.3. Asia-Pacific Lignans Market

7.3.1. China Lignans Market

7.3.2. India Lignans Market

7.3.3. Japan Lignans Market

7.3.4. Australia Lignans Market

7.3.5. South Korea Lignans Market

7.3.6. Rest of Asia-Pacific (RoAPAC) Lignans Market

7.4. Latin America Lignans Market

7.4.1. Brazil Lignans Market

7.4.2. Mexico Lignans Market

7.4.3. Rest of Latin America Lignans Market

7.5. Middle East & Africa Lignans Market

7.5.1. Saudi Arabia Lignans Market



7.5.2. South Africa Lignans Market

7.5.3. Rest of Middle East & Africa (RoMEA) Lignans Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

### **8.1. Key Company SWOT Analysis**

8.1.1. {Archer Daniels Midland Company}

8.1.2. {Linnea SA}

8.1.3. {BioGin Biochemicals Co., Ltd.}

### **8.2. Top Market Strategies**

### **8.3. Company Profiles**

8.3.1. {Archer Daniels Midland Company}

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Market Strategies

8.3.2. {Naturalin Bio-Resources Co., Ltd.}

8.3.3. {Cayman Chemical Company}

8.3.4. {Xi'an Greena Biotech Co., Ltd.}

8.3.5. {Plamed Green Science Group}

8.3.6. {TSKG Products}

8.3.7. {KCI Ltd.}

8.3.8. {Beijing Brilliance Bio}

8.3.9. {PerkinElmer Inc.}

8.3.10. {Hunan NutraMax Inc.}

8.3.11. {Skuny Bioscience Co., Ltd.}

8.3.12. {Herbs & Crops Overseas}

8.3.13. {Alchem International Pvt. Ltd.}

## **CHAPTER 9. RESEARCH PROCESS**

### **9.1. Research Process**

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

### **9.2. Research Attributes**



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Lignans Market, Report Scope

TABLE 2. Global Lignans Market Estimates & Forecasts by Region 2022-2032 (USD Million)

TABLE 3. Global Lignans Market Estimates & Forecasts by Source 2022-2032 (USD Million)

TABLE 4. Global Lignans Market Estimates & Forecasts by Application 2022-2032 (USD Million)

TABLE 5. Global Lignans Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 6. Global Lignans Market by Region, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 7. Global Lignans Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 8. Global Lignans Market by Region, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 9. Global Lignans Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 10. Global Lignans Market by Region, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 11. Global Lignans Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 12. Global Lignans Market by Region, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 13. Global Lignans Market by Segment, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 14. Global Lignans Market by Region, Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 15. U.S. Lignans Market Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 16. U.S. Lignans Market Estimates & Forecasts by Segment 2022-2032 (USD Million)

TABLE 17. U.S. Lignans Market Estimates & Forecasts by Segment 2022-2032 (USD Million)

TABLE 18. Canada Lignans Market Estimates & Forecasts, 2022-2032 (USD Million)

TABLE 19. Canada Lignans Market Estimates & Forecasts by Segment 2022-2032 (USD Million)

TABLE 20. Canada Lignans Market Estimates & Forecasts by Segment 2022-2032  
(USD Million)

.....

This list is not complete; the final report contains more than 100 tables. The list may be updated in the final deliverable.

## I would like to order

Product name: Global Lignans Market Size study, by Source (Plant Resins, Cereals & Grains), by Application (Food & Beverages, Animal Nutrition), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GF150670511EEN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF150670511EEN.html>