

# Global 2G Cellulose Ethanol Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global 2G Cellulose Ethanol market size will reach 59.89 Million USD in 2025 and is projected to reach 385.42 Million USD by 2032, with a CAGR of 30.47% (2025-2032). Notably, the China 2G Cellulose Ethanol market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

2G cellulose ethanol refers to second-generation biofuel derived from cellulose-rich biomass sources such as agricultural residues, forestry residues, dedicated energy crops, and municipal solid waste. Unlike first-generation biofuels that primarily utilize edible crops like corn and sugarcane, 2G ethanol production focuses on non-food feedstocks, thereby minimizing competition with food resources. The process typically involves breaking down the cellulose and hemicellulose components of biomass into sugars through various pretreatment methods, followed by fermentation and distillation to produce ethanol. This approach offers several advantages, including the utilization of abundant and renewable feedstocks, reduced greenhouse gas emissions, and potentially higher energy efficiency compared to first-generation biofuels. Additionally, 2G cellulose ethanol production contributes to the development of a more sustainable and diversified bioenergy sector, supporting global efforts to mitigate climate change and achieve energy security.

The major global manufacturers of 2G Cellulose Ethanol include Verbio, Synata Bio,

POET-DSM, GranBio, Versalis, Iogen, Fiberight, Longlive, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of 2G Cellulose Ethanol. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global 2G Cellulose Ethanol market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the 2G Cellulose Ethanol market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of 2G Cellulose Ethanol industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of 2G Cellulose Ethanol Include:

Verbio

Synata Bio

POET-DSM

GranBio

Versalis

logen

Fiberight

Longlive

2G Cellulose Ethanol Product Segment Include:

Corn Stover

Sugarcane Straw and Bagasse

Others

2G Cellulose Ethanol Product Application Include:

Gasoline

Detergent

## **Chapter Scope**

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global 2G Cellulose Ethanol Capacity and Production Analysis

Chapter 3: Global 2G Cellulose Ethanol Industry PESTEL Analysis

Chapter 4: Global 2G Cellulose Ethanol Industry Porter's Five Forces Analysis

Chapter 5: Global 2G Cellulose Ethanol Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global 2G Cellulose Ethanol Market Size and Forecast by Type and Application Analysis

Chapter 7: North America 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: APAC (Excl. China) 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Latin America 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Middle East and Africa 2G Cellulose Ethanol Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 13: Global 2G Cellulose Ethanol Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 14: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 15: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 16: Research Findings and Conclusion

Chapter 17: Methodology and Data Sources

## Contents

### **1 2G CELLULOSE ETHANOL MARKET OVERVIEW**

- 1.1 Product Definition and Statistical Scope
- 1.2 2G Cellulose Ethanol Product by Type
  - 1.2.1 Corn Stover
  - 1.2.2 Sugarcane Straw and Bagasse
  - 1.2.3 Others
- 1.3 2G Cellulose Ethanol Product by Application
  - 1.3.1 Gasoline
  - 1.3.2 Detergent
- 1.4 Global 2G Cellulose Ethanol Market Revenue and Sales Analysis
  - 1.4.1 Global 2G Cellulose Ethanol Revenue Market Size Analysis (2020-2032)
  - 1.4.2 Global 2G Cellulose Ethanol Sales Market Size Analysis (2020-2032)
  - 1.4.3 Global 2G Cellulose Ethanol Market Sales Price Trend Analysis (2020-2032)
- 1.5 2G Cellulose Ethanol Industry Trends and Innovation
  - 1.5.1 2G Cellulose Ethanol Industry Trends and Innovation
  - 1.5.2 2G Cellulose Ethanol Market Drivers and Challenges

### **2 GLOBAL 2G CELLULOSE ETHANOL CAPACITY AND PRODUCTION ANALYSIS**

- 2.1 Global 2G Cellulose Ethanol Capacity, Production and Utilization (2020-2032)
- 2.2 Global 2G Cellulose Ethanol Production Growth Trend by Region: 2024 VS 2025 VS 2030
- 2.3 Global 2G Cellulose Ethanol Production by Region
  - 2.3.1 Global 2G Cellulose Ethanol Production by Region (2020-2025)
  - 2.3.2 Global 2G Cellulose Ethanol Production Forecast by Region (2026-2032)
  - 2.3.3 Global 2G Cellulose Ethanol Production Market Share by Region (2020-2032)

### **3 2G CELLULOSE ETHANOL MARKET PESTEL ANALYSIS**

- 3.1 Political Factors Analysis
- 3.2 Economic Factors Analysis
- 3.3 Social Factors Analysis
- 3.4 Technological Factors Analysis
- 3.5 Environmental Factors Analysis
- 3.6 Legal Factors Analysis

## **4 2G CELLULOSE ETHANOL MARKET PORTER'S FIVE FORCES ANALYSIS**

- 4.1 Competitive Rivalry
- 4.2 Threat of New Entrants
- 4.3 Bargaining Power of Suppliers
- 4.4 Bargaining Power of Buyers
- 4.5 Threat of Substitutes

## **5 GLOBAL 2G CELLULOSE ETHANOL MARKET ANALYSIS BY REGIONS**

- 5.1 2G Cellulose Ethanol Overall Market: 2024 VS 2025 VS 2032
- 5.2 Global 2G Cellulose Ethanol Revenue and Forecast Analysis (2020-2032)
  - 5.2.1 Global 2G Cellulose Ethanol Revenue and Market Share by Region (2020-2025)
  - 5.2.2 Global 2G Cellulose Ethanol Revenue and Market Forecast by Region (2026-2032)
- 5.3 Global 2G Cellulose Ethanol Sales and Forecast Analysis (2020-2032)
  - 5.3.1 Global 2G Cellulose Ethanol Sales and Market Share by Region (2020-2025)
  - 5.3.2 Global 2G Cellulose Ethanol Sales and Market Forecast by Region (2026-2032)
- 5.4 Global 2G Cellulose Ethanol Sales Price Trend Analysis (2020-2032)

## **6 GLOBAL 2G CELLULOSE ETHANOL MARKET SIZE BY TYPE AND APPLICATION**

- 6.1 Global 2G Cellulose Ethanol Market Size by Type
  - 6.1.1 Global 2G Cellulose Ethanol Revenue and Forecast Analysis by Type (2020-2032)
  - 6.1.2 Global 2G Cellulose Ethanol Sales and Forecast Analysis by Type (2020-2032)
- 6.2 Global 2G Cellulose Ethanol Market Size by Application
  - 6.2.1 Global 2G Cellulose Ethanol Revenue and Forecast Analysis by Application (2020-2032)
  - 6.2.2 Global 2G Cellulose Ethanol Sales and Forecast Analysis by Application (2020-2032)

## **7 NORTH AMERICA**

- 7.1 North America 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)
- 7.2 North America Key Manufacturers Analysis
- 7.3 North America 2G Cellulose Ethanol Market Size by Type

- 7.3.1 North America 2G Cellulose Ethanol Sales by Type (2020-2032)
- 7.3.2 North America 2G Cellulose Ethanol Revenue by Type (2020-2032)
- 7.4 North America 2G Cellulose Ethanol Market Size by Application
  - 7.4.1 North America 2G Cellulose Ethanol Sales by Application (2020-2032)
  - 7.4.2 North America 2G Cellulose Ethanol Revenue by Application (2020-2032)
- 7.5 North America 2G Cellulose Ethanol Market Size by Country
  - 7.5.1 US
  - 7.5.2 Canada

## **8 EUROPE**

- 8.1 Europe 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)
- 8.2 Europe Key Manufacturers Analysis
- 8.3 Europe 2G Cellulose Ethanol Market Size by Type
  - 8.3.1 Europe 2G Cellulose Ethanol Sales by Type (2020-2032)
  - 8.3.2 Europe 2G Cellulose Ethanol Revenue by Type (2020-2032)
- 8.4 Europe 2G Cellulose Ethanol Market Size by Application
  - 8.4.1 Europe 2G Cellulose Ethanol Sales by Application (2020-2032)
  - 8.4.2 Europe 2G Cellulose Ethanol Revenue by Application (2020-2032)
- 8.5 Europe 2G Cellulose Ethanol Market Size by Country
  - 8.5.1 Germany
  - 8.5.2 France
  - 8.5.3 United Kingdom
  - 8.5.4 Italy
  - 8.5.5 Spain
  - 8.5.6 Benelux

## **9 CHINA**

- 9.1 China 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)
- 9.2 China Key Manufacturers Analysis
- 9.3 China 2G Cellulose Ethanol Market Size by Type
  - 9.3.1 China 2G Cellulose Ethanol Sales by Type (2020-2032)
  - 9.3.2 China 2G Cellulose Ethanol Revenue by Type (2020-2032)
- 9.4 China 2G Cellulose Ethanol Market Size by Application
  - 9.4.1 China 2G Cellulose Ethanol Sales by Application (2020-2032)
  - 9.4.2 China 2G Cellulose Ethanol Revenue by Application (2020-2032)

## **10 APAC (EXCL. CHINA)**

10.1 APAC (excl. China) 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)

10.2 APAC (excl. China) Key Manufacturers Analysis

10.3 APAC (excl. China) 2G Cellulose Ethanol Market Size by Type

10.3.1 APAC (excl. China) 2G Cellulose Ethanol Sales by Type (2020-2032)

10.3.2 APAC (excl. China) 2G Cellulose Ethanol Revenue by Type (2020-2032)

10.4 APAC (excl. China) 2G Cellulose Ethanol Market Size by Application

10.4.1 APAC (excl. China) 2G Cellulose Ethanol Sales by Application (2020-2032)

10.4.2 APAC (excl. China) 2G Cellulose Ethanol Revenue by Application (2020-2032)

10.5 APAC (excl. China) 2G Cellulose Ethanol Market Size by Country

10.5.1 Japan

10.5.2 South Korea

10.5.3 India

10.5.4 Australia

10.5.5 Southeast Asia

## **11 LATIN AMERICA**

11.1 Latin America 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)

11.2 Latin America Key Manufacturers Analysis

### **11.3 LATIN AMERICA 2G CELLULOSE ETHANOL MARKET SIZE BY TYPE**

11.3.1 Latin America 2G Cellulose Ethanol Sales by Type (2020-2032)

11.3.2 Latin America 2G Cellulose Ethanol Revenue by Type (2020-2032)

11.4 Latin America 2G Cellulose Ethanol Market Size by Application

11.4.1 Latin America 2G Cellulose Ethanol Sales by Application (2020-2032)

11.4.2 Latin America 2G Cellulose Ethanol Revenue by Application (2020-2032)

11.5 Latin America 2G Cellulose Ethanol Market Size by Country

11.6 Latin America 2G Cellulose Ethanol Market Size by Country

11.6.1 Mexico

11.6.2 Brazil

## **12 MIDDLE EAST & AFRICA**

12.1 Middle East & Africa 2G Cellulose Ethanol Market Size and Growth Rate Analysis (2020-2032)

- 12.2 Middle East & Africa Key Manufacturers Analysis
- 12.3 Middle East & Africa 2G Cellulose Ethanol Market Size by Type
  - 12.3.1 Middle East & Africa 2G Cellulose Ethanol Sales by Type (2020-2032)
  - 12.3.2 Middle East & Africa 2G Cellulose Ethanol Revenue by Type (2020-2032)
- 12.4 Middle East & Africa 2G Cellulose Ethanol Market Size by Application
  - 12.4.1 Middle East & Africa 2G Cellulose Ethanol Sales by Application (2020-2032)
  - 12.4.2 Middle East & Africa 2G Cellulose Ethanol Revenue by Application (2020-2032)
- 12.5 Middle East 2G Cellulose Ethanol Market Size by Country
  - 12.5.1 Saudi Arabia
  - 12.5.2 South Africa

## **13 COMPETITION BY MANUFACTURERS**

- 13.1 Global 2G Cellulose Ethanol Market Sales, Revenue and Price by Key Manufacturers (2021-2025)
  - 13.1.1 Global 2G Cellulose Ethanol Market Sales by Key Manufacturers (2021-2025)
  - 13.1.2 Global 2G Cellulose Ethanol Market Revenue by Key Manufacturers (2021-2025)
  - 13.1.3 Global 2G Cellulose Ethanol Average Sales Price by Manufacturers (2021-2025)
- 13.2 2G Cellulose Ethanol Competitive Landscape Analysis and Market Dynamic
  - 13.2.1 2G Cellulose Ethanol Competitive Landscape Analysis
  - 13.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales
  - 13.2.3 Market Dynamic

## **14 KEY COMPANIES ANALYSIS**

- 14.1 Verbio
  - 14.1.1 Verbio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
  - 14.1.2 Verbio 2G Cellulose Ethanol Product Portfolio
  - 14.1.3 Verbio 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.2 Synata Bio
  - 14.2.1 Synata Bio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
  - 14.2.2 Synata Bio 2G Cellulose Ethanol Product Portfolio
  - 14.2.3 Synata Bio 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.3 POET-DSM

14.3.1 POET-DSM Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.3.2 POET-DSM 2G Cellulose Ethanol Product Portfolio

14.3.3 POET-DSM 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.4 GranBio

14.4.1 GranBio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.4.2 GranBio 2G Cellulose Ethanol Product Portfolio

14.4.3 GranBio 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.5 Versalis

14.5.1 Versalis Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.5.2 Versalis 2G Cellulose Ethanol Product Portfolio

14.5.3 Versalis 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.6 Iogen

14.6.1 Iogen Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.6.2 Iogen 2G Cellulose Ethanol Product Portfolio

14.6.3 Iogen 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.7 Fiberight

14.7.1 Fiberight Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.7.2 Fiberight 2G Cellulose Ethanol Product Portfolio

14.7.3 Fiberight 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

### 14.8 Longlive

14.8.1 Longlive Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.8.2 Longlive 2G Cellulose Ethanol Product Portfolio

14.8.3 Longlive 2G Cellulose Ethanol Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

## 15 INDUSTRY CHAIN ANALYSIS

- 15.1 2G Cellulose Ethanol Industry Chain Analysis
- 15.2 2G Cellulose Ethanol Industry Raw Material and Suppliers Analysis
  - 15.2.1 2G Cellulose Ethanol Key Raw Material Supply Analysis
  - 15.2.2 Raw Material Suppliers and Contact Information
- 15.3 2G Cellulose Ethanol Typical Downstream Customers
- 15.4 2G Cellulose Ethanol Sales Channel Analysis

## **16 RESEARCH FINDINGS AND CONCLUSION**

## **17 METHODOLOGY AND DATA SOURCE**

- 17.1 Methodology/Research Approach
- 17.2 Research Scope
- 17.3 Benchmarks and Assumptions
- 17.4 Data Source
  - 17.4.1 Primary Sources
  - 17.4.2 Secondary Sources
- 17.5 Data Cross Validation
- 17.6 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1: Global 2G Cellulose Ethanol Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global 2G Cellulose Ethanol Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: 2G Cellulose Ethanol Industry Development Status

Table 4: 2G Cellulose Ethanol Industry Development Trends

Table 5: Global 2G Cellulose Ethanol Production Growth Rate (CAGR) by Region: 2024 VS 2025 VS 2032 (Ton)

Table 6: Global 2G Cellulose Ethanol Production by Region (2020-2025) & (Ton)

Table 7: Global 2G Cellulose Ethanol Production Forecast by Region (2026-2032) & (Ton)

Table 8: Global 2G Cellulose Ethanol Production Market Share by Region (2020-2025)

Table 9: Global 2G Cellulose Ethanol Production Market Share by Region (2026-2032)

Table 10: Global 2G Cellulose Ethanol Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 11: Global 2G Cellulose Ethanol Revenue by Region (2020-2025) & (US\$ Million)

Table 12: Global 2G Cellulose Ethanol Revenue Market Share by Region (2020-2025)

Table 13: Global 2G Cellulose Ethanol Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 14: Global 2G Cellulose Ethanol Revenue Market Share Forecast by Region (2026-2032)

Table 15: Global 2G Cellulose Ethanol Sales by Region (2020-2025) & (Ton)

Table 16: Global 2G Cellulose Ethanol Sales Market Share by Region (2020-2025)

Table 17: Global 2G Cellulose Ethanol Sales Forecast by Region (2026-2032) & (Ton)

Table 18: Global 2G Cellulose Ethanol Sales Market Share Forecast by Region (2026-2032)

Table 19: Global 2G Cellulose Ethanol Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 20: Global 2G Cellulose Ethanol Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 21: Global 2G Cellulose Ethanol Sales Analysis by Type (2020-2025) & (Ton)

Table 22: Global 2G Cellulose Ethanol Sales Analysis Forecast by Type (2026-2032) & (Ton)

Table 23: Global 2G Cellulose Ethanol Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 24: Global 2G Cellulose Ethanol Revenue Analysis Forecast by Application

(2026-2032) & (US\$ Million)

Table 25: Global 2G Cellulose Ethanol Sales Analysis by Application (2020-2025) & (Ton)

Table 26: Global 2G Cellulose Ethanol Sales Analysis Forecast by Application (2026-2032) & (Ton)

Table 27: Key 2G Cellulose Ethanol Players in North America

Table 28: North America 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 29: North America 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 30: North America 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 31: North America 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 32: North America 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 33: North America 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 34: North America 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

Table 35: North America 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)

Table 36: North America 2G Cellulose Ethanol Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 37: North America 2G Cellulose Ethanol Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 38: North America 2G Cellulose Ethanol Sales Market Size by Country (2020-2025) & (Ton)

Table 39: North America 2G Cellulose Ethanol Sales Market Size by Country (2026-2032) & (Ton)

Table 40: Key 2G Cellulose Ethanol Players in Europe

Table 41: Europe 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 42: Europe 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 43: Europe 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 44: Europe 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 45: Europe 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 46: Europe 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 47: Europe 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

Table 48: Europe 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)

Table 49: Europe 2G Cellulose Ethanol Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 50: Europe 2G Cellulose Ethanol Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 51: Europe 2G Cellulose Ethanol Sales Market Size by Country (2020-2025) & (Ton)

Table 52: Europe 2G Cellulose Ethanol Sales Market Size Forecast by Country (2026-2032) & (Ton)

Table 53: Key 2G Cellulose Ethanol Players in China

Table 54: China 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 55: China 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 56: China 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 57: China 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 58: China 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 59: China 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 60: China 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

Table 61: China 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)

Table 62: Key 2G Cellulose Ethanol Players in APAC (excl. China)

Table 63: APAC (excl. China) 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 64: APAC (excl. China) 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 65: APAC (excl. China) 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 66: APAC (excl. China) 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 67: APAC (excl. China) 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 68: APAC (excl. China) 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 69: APAC (excl. China) 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

Table 70: APAC (excl. China) 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)

Table 71: APAC (excl. China) 2G Cellulose Ethanol Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 72: APAC (excl. China) 2G Cellulose Ethanol Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 73: APAC (excl. China) 2G Cellulose Ethanol Sales Market Size by Country

(2020-2025) & (Ton)

Table 74: APAC (excl. China) 2G Cellulose Ethanol Sales Market Size Forecast by Country (2026-2032) & (Ton)

Table 75: Key 2G Cellulose Ethanol Players in Latin America

Table 76: Latin America 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 77: Latin America 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 78: Latin America 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 79: Latin America 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 80: Latin America 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 81: Latin America 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 82: Latin America 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

Table 83: Latin America 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)

Table 84: Latin America 2G Cellulose Ethanol Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 85: Latin America 2G Cellulose Ethanol Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 86: Latin America 2G Cellulose Ethanol Sales Market Size by Country (2020-2025) & (Ton)

Table 87: Latin America 2G Cellulose Ethanol Sales Market Size Forecast by Country (2026-2032) & (Ton)

Table 88: Key 2G Cellulose Ethanol Players in Middle East & Africa

Table 89: Middle East & Africa 2G Cellulose Ethanol Sales by Type (2020-2025) & (Ton)

Table 90: Middle East & Africa 2G Cellulose Ethanol Sales by Type (2026-2032) & (Ton)

Table 91: Middle East & Africa 2G Cellulose Ethanol Revenue by Type (2020-2025) & (US\$ Million)

Table 92: Middle East & Africa 2G Cellulose Ethanol Revenue by Type (2026-2032) & (US\$ Million)

Table 93: Middle East & Africa 2G Cellulose Ethanol Sales by Application (2020-2025) & (Ton)

Table 94: Middle East & Africa 2G Cellulose Ethanol Sales by Application (2026-2032) & (Ton)

Table 95: Middle East & Africa 2G Cellulose Ethanol Revenue by Application (2020-2025) & (US\$ Million)

- Table 96: Middle East & Africa 2G Cellulose Ethanol Revenue by Application (2026-2032) & (US\$ Million)
- Table 97: Middle East & Africa 2G Cellulose Ethanol Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 98: Middle East & Africa 2G Cellulose Ethanol Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 99: Middle East & Africa 2G Cellulose Ethanol Sales Market Size by Country (2020-2025) & (Ton)
- Table 100: Middle East & Africa 2G Cellulose Ethanol Sales Market Size Forecast by Country (2026-2032) & (Ton)
- Table 101: Global 2G Cellulose Ethanol Market Sales by Key Manufacturers (2021-2025) & (Ton)
- Table 102: Global 2G Cellulose Ethanol Sales Market Share by Key Manufacturers (2021-2025)
- Table 103: Global 2G Cellulose Ethanol Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)
- Table 104: Global 2G Cellulose Ethanol Revenue Market Share by Key Manufacturers (2021-2025)
- Table 105: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Ton)
- Table 106: Global Key Manufacturers Headquarter Location and Key Area Sales
- Table 107: Market Mergers & Acquisitions, Expansion
- Table 108: Verbio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 109: Verbio 2G Cellulose Ethanol Product Portfolio
- Table 110: Verbio 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 111: Synata Bio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 112: Synata Bio 2G Cellulose Ethanol Product Portfolio
- Table 113: Synata Bio 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 114: POET-DSM Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 115: POET-DSM 2G Cellulose Ethanol Product Portfolio
- Table 116: POET-DSM 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)
- Table 117: GranBio Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 118: GranBio 2G Cellulose Ethanol Product Portfolio

Table 119: GranBio 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 120: Versalis Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 121: Versalis 2G Cellulose Ethanol Product Portfolio

Table 122: Versalis 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 123: Iogen Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 124: Iogen 2G Cellulose Ethanol Product Portfolio

Table 125: Iogen 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 126: Fiberight Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 127: Fiberight 2G Cellulose Ethanol Product Portfolio

Table 128: Fiberight 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 129: Longlive Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 130: Longlive 2G Cellulose Ethanol Product Portfolio

Table 131: Longlive 2G Cellulose Ethanol Revenue (US\$ Million), Sales (Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 132: Upstream Key Raw Material Price List

Table 133: 2G Cellulose Ethanol Raw Material Suppliers and Contact Information

Table 134: 2G Cellulose Ethanol Typical Customer List

Table 135: 2G Cellulose Ethanol Distributors List

## List Of Figures

### LIST OF FIGURES

Figure 1: 2G Cellulose Ethanol Product Pictures

Figure 2: Corn Stover Picture Scope

Figure 3: Sugarcane Straw and Bagasse Picture Scope

Figure 4: Others Picture Scope

Figure 5: Gasoline Picture Scope

Figure 6: Detergent Picture Scope

Figure 7: Global 2G Cellulose Ethanol Market Size Analysis: 2024 VS 2025 VS 2032  
(US\$ Million)

Figure 8: Global 2G Cellulose Ethanol Market Revenue and Growth Rate Analysis:  
(2020-2032) & (US\$ Million)

Figure 9: Global 2G Cellulose Ethanol Market Sales and Growth Rate Analysis  
(2020-2032) & (Ton)

Figure 10: Global 2G Cellulose Ethanol Market Price Trend Analysis (2020-2032) &  
(USD/Ton)

Figure 11: Global 2G Cellulose Ethanol Capacity, Production and Utilization (2019-2030)  
& (Ton)

Figure 12: Global 2G Cellulose Ethanol Production by Region: 2023 VS 2024 VS 2030  
(Ton)

Figure 13: Global 2G Cellulose Ethanol Production Market Share by Region in  
Percentage: 2024 Versus 2030

Figure 14: Global 2G Cellulose Ethanol Production Market Share by Region (2019-2030)

Figure 15: Global 2G Cellulose Ethanol Market Size by Region (2020-2032) & (US\$  
Million)

Figure 16: Global 2G Cellulose Ethanol Market Share Scenario by Region in  
Percentage: 2025 Versus 2032

Figure 17: Global 2G Cellulose Ethanol Sales Price by Region (2020-2032) & (Ton)

Figure 18: North America 2G Cellulose Ethanol Market Size and Growth Rate  
(2020-2032) & (US\$ Million)

Figure 19: North America 2G Cellulose Ethanol Revenue Market Share by Players in  
2024

Figure 20: North America 2G Cellulose Ethanol Sales Market Share by Type  
(2020-2032)

Figure 21: North America 2G Cellulose Ethanol Revenue Market Share by Type  
(2020-2032)

Figure 22: North America 2G Cellulose Ethanol Sales Market Share by Application

(2020-2032)

Figure 23:North America 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)

Figure 24:US 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 25:Canada 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 26:Europe 2G Cellulose Ethanol Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 27:Europe 2G Cellulose Ethanol Revenue Market Share by Players in 2024

Figure 28:Europe 2G Cellulose Ethanol Sales Market Share by Type (2020-2032)

Figure 29:Europe 2G Cellulose Ethanol Revenue Market Share by Type (2020-2032)

Figure 30:Europe 2G Cellulose Ethanol Sales Market Share by Application (2020-2032)

Figure 31:Europe 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)

Figure 32:Germany 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 33:France 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 34:United Kingdom 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 35:Italy 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 36:Spain 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 37:Benelux 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)

Figure 38:China 2G Cellulose Ethanol Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 39:China 2G Cellulose Ethanol Revenue Market Share by Players in 2024

Figure 40:China 2G Cellulose Ethanol Sales Market Share by Type (2020-2032)

Figure 41:China 2G Cellulose Ethanol Revenue Market Share by Type (2020-2032)

Figure 42:China 2G Cellulose Ethanol Sales Market Share by Application (2020-2032)

Figure 43:China 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)

Figure 44:APAC (excl. China) 2G Cellulose Ethanol Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 45:APAC (excl. China) 2G Cellulose Ethanol Revenue Market Share by Players in 2024

Figure 46:APAC (excl. China) 2G Cellulose Ethanol Sales Market Share by Type (2020-2032)

Figure 47:APAC (excl. China) 2G Cellulose Ethanol Revenue Market Share by Type (2020-2032)

Figure 48:APAC (excl. China) 2G Cellulose Ethanol Sales Market Share by Application (2020-2032)

Figure 49:APAC (excl. China) 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)

- Figure 50:Japan 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 51:South Korea 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 52:India 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 53:Australia 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 54:Southeast Asia 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 55:Latin America 2G Cellulose Ethanol Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 56:Latin America 2G Cellulose Ethanol Revenue Market Share by Players in 2024
- Figure 57:Latin America 2G Cellulose Ethanol Sales Market Share by Type (2020-2032)
- Figure 58:Latin America 2G Cellulose Ethanol Revenue Market Share by Type (2020-2032)
- Figure 59:Latin America 2G Cellulose Ethanol Sales Market Share by Application (2020-2032)
- Figure 60:Latin America 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)
- Figure 61:Mexico 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 62:Brazil 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 63:Middle East & Africa 2G Cellulose Ethanol Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 64:Middle East & Africa 2G Cellulose Ethanol Revenue Market Share by Players in 2024
- Figure 65:Middle East & Africa 2G Cellulose Ethanol Sales Market Share by Type (2020-2032)
- Figure 66:Middle East & Africa 2G Cellulose Ethanol Revenue Market Share by Type (2020-2032)
- Figure 67:Middle East & Africa 2G Cellulose Ethanol Sales Market Share by Application (2020-2032)
- Figure 68:Middle East & Africa 2G Cellulose Ethanol Revenue Market Share by Application (2020-2032)
- Figure 69:Saudi Arabia 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 70:South Africa 2G Cellulose Ethanol Revenue (2020-2032) & (US\$ Million)
- Figure 71:Global 2G Cellulose Ethanol Sales Market Share by Key Manufacturers in 2024
- Figure 72:Global 2G Cellulose Ethanol Revenue Market Share by Key Manufacturers in 2024
- Figure 73:Global 2G Cellulose Ethanol Industry Competition Landscape
- Figure 74:2G Cellulose Ethanol Industry Chain Analysis
- Figure 75:Bottom-Up and Top-Down Research Methods

Figure 76:Key Interview Objectives

Figure 77:Data Cross Validation

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