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Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market Growth 2025-2031

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Abstracts

The global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) market size is predicted to grow from US$ 9.9 million in 2025 to US$ 16.7 million in 2031; it is expected to grow at a CAGR of 9.1% from 2025 to 2031.

Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) is a copolymer formed by the polymerization of 3-hydroxybutyrate and 4-hydroxybutyrate monomers via ester linkages. Derived from biomass materials through microbial synthesis, it is a fully biodegradable biobased polymer. As the content of 4-hydroxybutyrate varies, the properties of P34HB can be adjusted over a wide range, from a semi-crystalline, hard and brittle plastic to a plastic with significantly enhanced strength and toughness, or even a non-crystalline elastomer. It features good biocompatibility, thermal stability, and processability, finding wide applications in medical, packaging, and other fields.

United States market for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) players cover CJ BIO,

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Shenzhen Ecomann, Zhuhai Medpha, PhaBuilder, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Industry Forecast” looks at past sales and reviews total world Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) sales in 2024, providing a comprehensive analysis by region and market sector of projected Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) sales for 2025 through 2031. With Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) industry.

This Insight Report provides a comprehensive analysis of the global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB).

This report presents a comprehensive overview, market shares, and growth opportunities of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Powder

Pallet

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Segmentation by Application:

- Packaging
- Food Service
- Agricultural
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe

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Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

CJ BIO

Shenzhen Ecomann

Zhuhai Medpha

PhaBuilder

Key Questions Addressed in this Report

What is the 10-year outlook for the global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate

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(P34HB) market?
What factors are driving Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) market opportunities vary by end market size?
How does Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) break out by Type, by Application?

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Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales 2020-2031
  2.1.2 World Current & Future Analysis for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) by Geographic Region, 2020, 2024 & 2031
  2.1.3 World Current & Future Analysis for Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) by Country/Region, 2020, 2024 & 2031
2.2 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Segment by Type
  2.2.1 Powder
  2.2.2 Pallet
2.3 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type
  2.3.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
  2.3.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue and Market Share by Type (2020-2025)
  2.3.3 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by Type (2020-2025)
2.4 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Segment by Application
  2.4.1 Packaging
  2.4.2 Food Service
  2.4.3 Agricultural
  2.4.4 Others
2.5 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application
  2.5.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Market Share

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by Application (2020-2025)
2.5.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue and Market Share by Application (2020-2025)
2.5.3 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Breakdown Data by Company
3.1.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales by Company (2020-2025)
3.1.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Company (2020-2025)
3.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue by Company (2020-2025)
3.2.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Company (2020-2025)
3.2.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Company (2020-2025)
3.3 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by Company
3.4 Key Manufacturers Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Location Distribution
3.4.2 Players Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR POLY 3-HYDROXYBUTYRATE 4-HYDROXYBUTYRATE (P34HB) BY GEOGRAPHIC REGION

4.1 World Historic Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market Size by Geographic Region (2020-2025)
4.1.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales by Geographic Region (2020-2025)

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4.1.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue by Geographic Region (2020-2025)
4.2 World Historic Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market Size by Country/Region (2020-2025)
4.2.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales by Country/Region (2020-2025)
4.2.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue by Country/Region (2020-2025)
4.3 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Growth
4.4 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Growth
4.5 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Growth
4.6 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Growth

5 AMERICAS

5.1 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country
5.1.1 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025)
5.1.2 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country (2020-2025)
5.2 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025)
5.3 Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Region
6.1.1 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Region (2020-2025)
6.1.2 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Region (2020-2025)
6.2 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025)

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6.3 APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

7 EUROPE

7.1 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) by Country
  7.1.1 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025)
  7.1.2 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country (2020-2025)
7.2 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025)
7.3 Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) by Country
  8.1.1 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025)
  8.1.2 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country (2020-2025)
8.2 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025)
8.3 Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025)

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8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
10.3 Manufacturing Process Analysis of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
10.4 Industry Chain Structure of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Distributors
11.3 Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Customer

12 WORLD FORECAST REVIEW FOR POLY 3-HYDROXYBUTYRATE 4-HYDROXYBUTYRATE (P34HB) BY GEOGRAPHIC REGION

12.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market Size Forecast by Region
  12.1.1 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Forecast by Region (2026-2031)
  12.1.2 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue Forecast by Region (2026-2031)
12.2 Americas Forecast by Country (2026-2031)

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12.3 APAC Forecast by Region (2026-2031)
12.4 Europe Forecast by Country (2026-2031)
12.5 Middle East & Africa Forecast by Country (2026-2031)
12.6 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Forecast by Type (2026-2031)
12.7 Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 CJ BIO
  13.1.1 CJ BIO Company Information
  13.1.2 CJ BIO Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
  13.1.3 CJ BIO Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales, Revenue, Price and Gross Margin (2020-2025)
  13.1.4 CJ BIO Main Business Overview
  13.1.5 CJ BIO Latest Developments
13.2 Shenzhen Ecomann
  13.2.1 Shenzhen Ecomann Company Information
  13.2.2 Shenzhen Ecomann Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
  13.2.3 Shenzhen Ecomann Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales, Revenue, Price and Gross Margin (2020-2025)
  13.2.4 Shenzhen Ecomann Main Business Overview
  13.2.5 Shenzhen Ecomann Latest Developments
13.3 Zhuhai Medpha
  13.3.1 Zhuhai Medpha Company Information
  13.3.2 Zhuhai Medpha Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
  13.3.3 Zhuhai Medpha Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales, Revenue, Price and Gross Margin (2020-2025)
  13.3.4 Zhuhai Medpha Main Business Overview
  13.3.5 Zhuhai Medpha Latest Developments
13.4 PhaBuilder
  13.4.1 PhaBuilder Company Information
  13.4.2 PhaBuilder Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
  13.4.3 PhaBuilder Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales,

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Revenue, Price and Gross Margin (2020-2025)
13.4.4 PhaBuilder Main Business Overview
13.4.5 PhaBuilder Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & ($ millions)
Table 2. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & ($ millions)
Table 3. Major Players of Powder
Table 4. Major Players of Pallet
Table 5. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025) & (Tons)
Table 6. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
Table 7. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Type (2020-2025) & ($ million)
Table 8. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Type (2020-2025)
Table 9. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by Type (2020-2025) & (US$/Ton)
Table 10. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale by Application (2020-2025) & (Tons)
Table 11. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Market Share by Application (2020-2025)
Table 12. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Application (2020-2025) & ($ million)
Table 13. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Application (2020-2025)
Table 14. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by Application (2020-2025) & (US$/Ton)
Table 15. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Company (2020-2025) & (Tons)
Table 16. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Company (2020-2025)
Table 17. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Company (2020-2025) & ($ millions)
Table 18. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Company (2020-2025)
Table 19. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Price by

+357 96 030922
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Company (2020-2025) & (US$/Ton)
Table 20. Key Manufacturers Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Producing Area Distribution and Sales Area
Table 21. Players Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Products Offered
Table 22. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 23. New Products and Potential Entrants
Table 24. Market M&A Activity & Strategy
Table 25. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Geographic Region (2020-2025) & (Tons)
Table 26. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share Geographic Region (2020-2025)
Table 27. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Geographic Region (2020-2025) & ($ millions)
Table 28. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Geographic Region (2020-2025)
Table 29. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country/Region (2020-2025) & (Tons)
Table 30. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country/Region (2020-2025)
Table 31. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country/Region (2020-2025) & ($ millions)
Table 32. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Country/Region (2020-2025)
Table 33. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025) & (Tons)
Table 34. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country (2020-2025)
Table 35. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country (2020-2025) & ($ millions)
Table 36. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025) & (Tons)
Table 37. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025) & (Tons)
Table 38. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Region (2020-2025) & (Tons)
Table 39. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Region (2020-2025)
Table 40. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by

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Region (2020-2025) & ($ millions)
Table 41. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025) & (Tons)
Table 42. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025) & (Tons)
Table 43. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025) & (Tons)
Table 44. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Country (2020-2025) & ($ millions)
Table 45. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025) & (Tons)
Table 46. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025) & (Tons)
Table 47. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Country (2020-2025) & (Tons)
Table 48. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Country (2020-2025)
Table 49. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Type (2020-2025) & (Tons)
Table 50. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Application (2020-2025) & (Tons)
Table 51. Key Market Drivers & Growth Opportunities of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Table 52. Key Market Challenges & Risks of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Table 53. Key Industry Trends of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Table 54. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Raw Material
Table 55. Key Suppliers of Raw Materials
Table 56. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Distributors List
Table 57. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Customer List
Table 58. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Region (2026-2031) & (Tons)
Table 59. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Forecast by Region (2026-2031) & ($ millions)
Table 60. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Country (2026-2031) & (Tons)
Table 61. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue Forecast by Country (2026-2031) & ($ millions)
Table 62. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by

+357 96 030922
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Region (2026-2031) & (Tons)
Table 63. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Annual Revenue Forecast by Region (2026-2031) & ($ millions)
Table 64. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Country (2026-2031) & (Tons)
Table 65. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Forecast by Country (2026-2031) & ($ millions)
Table 66. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Country (2026-2031) & (Tons)
Table 67. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Forecast by Country (2026-2031) & ($ millions)
Table 68. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Type (2026-2031) & (Tons)
Table 69. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Forecast by Type (2026-2031) & ($ millions)
Table 70. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Forecast by Application (2026-2031) & (Tons)
Table 71. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Forecast by Application (2026-2031) & ($ millions)
Table 72. CJ BIO Basic Information, Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Manufacturing Base, Sales Area and Its Competitors
Table 73. CJ BIO Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
Table 74. CJ BIO Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2020-2025)
Table 75. CJ BIO Main Business
Table 76. CJ BIO Latest Developments
Table 77. Shenzhen Ecomann Basic Information, Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Manufacturing Base, Sales Area and Its Competitors
Table 78. Shenzhen Ecomann Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
Table 79. Shenzhen Ecomann Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2020-2025)
Table 80. Shenzhen Ecomann Main Business
Table 81. Shenzhen Ecomann Latest Developments
Table 82. Zhuhai Medpha Basic Information, Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Manufacturing Base, Sales Area and Its Competitors
Table 83. Zhuhai Medpha Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications

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Table 84. Zhuhai Medpha Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2020-2025)
Table 85. Zhuhai Medpha Main Business
Table 86. Zhuhai Medpha Latest Developments
Table 87. PhaBuilder Basic Information, Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Manufacturing Base, Sales Area and Its Competitors
Table 88. PhaBuilder Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Product Portfolios and Specifications
Table 89. PhaBuilder Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2020-2025)
Table 90. PhaBuilder Main Business
Table 91. PhaBuilder Latest Developments

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List Of Figures

LIST OF FIGURES

Figure 1. Picture of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Figure 2. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Growth Rate 2020-2031 (Tons)
Figure 7. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth Rate 2020-2031 ($ millions)
Figure 8. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Geographic Region (2020, 2024 & 2031) & ($ millions)
Figure 9. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country/Region (2024)
Figure 10. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country/Region (2020, 2024 & 2031)
Figure 11. Product Picture of Powder
Figure 12. Product Picture of Pallet
Figure 13. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type in 2025
Figure 14. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Type (2020-2025)
Figure 15. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Consumed in Packaging
Figure 16. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market: Packaging (2020-2025) & (Tons)
Figure 17. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Consumed in Food Service
Figure 18. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market: Food Service (2020-2025) & (Tons)
Figure 19. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Consumed in Agricultural
Figure 20. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market: Agricultural (2020-2025) & (Tons)
Figure 21. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Consumed in Others
Figure 22. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Market: Others (2020-2025) & (Tons)

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Figure 23. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sale Market Share by Application (2024)
Figure 24. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Application in 2025
Figure 25. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales by Company in 2025 (Tons)
Figure 26. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Company in 2025
Figure 27. Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue by Company in 2025 ($ millions)
Figure 28. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Company in 2025
Figure 29. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Geographic Region (2020-2025)
Figure 30. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Geographic Region in 2025
Figure 31. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales 2020-2025 (Tons)
Figure 32. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue 2020-2025 ($ millions)
Figure 33. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales 2020-2025 (Tons)
Figure 34. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue 2020-2025 ($ millions)
Figure 35. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales 2020-2025 (Tons)
Figure 36. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue 2020-2025 ($ millions)
Figure 37. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales 2020-2025 (Tons)
Figure 38. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue 2020-2025 ($ millions)
Figure 39. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country in 2025
Figure 40. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Country (2020-2025)
Figure 41. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
Figure 42. Americas Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market

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Share by Application (2020-2025)
Figure 43. United States Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 44. Canada Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 45. Mexico Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 46. Brazil Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 47. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Region in 2025
Figure 48. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Region (2020-2025)
Figure 49. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
Figure 50. APAC Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Application (2020-2025)
Figure 51. China Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 52. Japan Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 53. South Korea Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 54. Southeast Asia Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 55. India Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 56. Australia Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 57. China Taiwan Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 58. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country in 2025
Figure 59. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share by Country (2020-2025)
Figure 60. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
Figure 61. Europe Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Application (2020-2025)

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Figure 62. Germany Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 63. France Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 64. UK Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 65. Italy Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 66. Russia Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 67. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Country (2020-2025)
Figure 68. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Type (2020-2025)
Figure 69. Middle East & Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share by Application (2020-2025)
Figure 70. Egypt Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 71. South Africa Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 72. Israel Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 73. Turkey Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 74. GCC Countries Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Growth 2020-2025 ($ millions)
Figure 75. Manufacturing Cost Structure Analysis of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) in 2025
Figure 76. Manufacturing Process Analysis of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Figure 77. Industry Chain Structure of Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB)
Figure 78. Channels of Distribution
Figure 79. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Forecast by Region (2026-2031)
Figure 80. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share Forecast by Region (2026-2031)
Figure 81. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share Forecast by Type (2026-2031)

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Figure 82. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share Forecast by Type (2026-2031)
Figure 83. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Sales Market Share Forecast by Application (2026-2031)
Figure 84. Global Poly 3-Hydroxybutyrate 4-Hydroxybutyrate (P34HB) Revenue Market Share Forecast by Application (2026-2031)

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