

Global Chiral Flavor & Fragrance Ingredients Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Chiral Flavor & Fragrance Ingredients market size is expected to reach \$ 4759 million by 2032, rising at a market growth of 7.8% CAGR during the forecast period (2026-2032).

Chiral flavor and fragrance ingredients refer to structurally defined chiral molecules used in flavor and fragrance formulations where enantiomers exhibit distinct sensory properties (odor type, intensity, threshold) despite identical chemical composition; unlike conventional aroma chemicals, these compounds play a decisive role in sensory precision, formulation stability, and premium positioning, especially in fine fragrances and high-end flavors; their production relies on asymmetric synthesis, biocatalysis, or chiral resolution, leading to a profile of low volume, high value, and formulation-level dependency; the necessity of this segmentation arises from the non-interchangeability of enantiomers in olfactory perception, making this a distinct, technology-driven niche within the broader F&F market serving premium consumer applications.

Corresponding to an implied demand volume of ~8,900 tons (derived from a blended ASP of ~USD 2,080/kg); Fine Fragrance accounts for ~32%, Consumer Fragrance ~38%, and Food & Beverage Flavors ~30%; on the supply side, nominal capacity is estimated at ~22,000–25,000 tons, with utilization around ~40%, reflecting multi-SKU, formulation-driven production; pricing is stratified with odor-type differentiated chiral ingredients at ~USD 6,500/kg, modifier-type at ~USD 1,800/kg, and bio-/natural-derived at ~USD 3,200/kg, leading to a blended ASP of ~USD 2,080/kg and an industry gross margin of ~48%; downstream demand is balanced across consumer fragrances (~38%), fine fragrances (~32%), and flavors (~30%), while upstream relies on terpene feedstocks (e.g., limonene, linalool), fermentation substrates, and petrochemical intermediates; structurally, the market is dominated by European majors in high-end

chiral molecules and formulation systems, with Chinese players providing scale and upgrading toward premium segments; overall, the market is in a mid-growth stage, driven by premium fragrance consumption and clean-label trends in food, with key uncertainties including biotechnological substitution and backward integration by major F&F houses.

This report studies the global Chiral Flavor & Fragrance Ingredients production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Chiral Flavor & Fragrance Ingredients and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Chiral Flavor & Fragrance Ingredients that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Chiral Flavor & Fragrance Ingredients total production and demand, 2021-2032, (Tons)

Global Chiral Flavor & Fragrance Ingredients total production value, 2021-2032, (USD Million)

Global Chiral Flavor & Fragrance Ingredients production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Chiral Flavor & Fragrance Ingredients consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Chiral Flavor & Fragrance Ingredients domestic production, consumption, key domestic manufacturers and share

Global Chiral Flavor & Fragrance Ingredients production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Chiral Flavor & Fragrance Ingredients production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Chiral Flavor & Fragrance Ingredients production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Chiral Flavor & Fragrance Ingredients market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Givaudan, DSM-Firmenich, International Flavors & Fragrances (IFF), Symrise, Takasago International, Mane,

Robertet, Sensient Technologies, BASF (Aroma Ingredients), Kuraray, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Chiral Flavor & Fragrance Ingredients market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Chiral Flavor & Fragrance Ingredients Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Chiral Flavor & Fragrance Ingredients Market, Segmentation by Type:

Odor-type Differentiated Enantiomers

Intensity-differentiated Enantiomers

Selective-active Enantiomers

Synergistic Enantiomer Mixtures

Global Chiral Flavor & Fragrance Ingredients Market, Segmentation by Pathway:

Natural-derived Chiral Ingredients

Biocatalysis-derived

Asymmetric Synthesis-derived

Resolution-based

Global Chiral Flavor & Fragrance Ingredients Market, Segmentation by Application:

Fine Fragrance

Consumer Fragrance

Food & Beverage Flavors

Functional Flavors

Companies Profiled:

Givaudan

DSM-Firmenich

International Flavors & Fragrances (IFF)

Symrise

Takasago International

Mane

Robertet

Sensient Technologies

BASF (Aroma Ingredients)

Kuraray

Kao Corporation

Zhejiang NHU

Huabao International

Yingyang (China Flavors & Fragrances)

Key Questions Answered:

1. How big is the global Chiral Flavor & Fragrance Ingredients market?
2. What is the demand of the global Chiral Flavor & Fragrance Ingredients market?
3. What is the year over year growth of the global Chiral Flavor & Fragrance Ingredients market?
4. What is the production and production value of the global Chiral Flavor & Fragrance Ingredients market?
5. Who are the key producers in the global Chiral Flavor & Fragrance Ingredients market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Chiral Flavor & Fragrance Ingredients Introduction
- 1.2 World Chiral Flavor & Fragrance Ingredients Supply & Forecast
 - 1.2.1 World Chiral Flavor & Fragrance Ingredients Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Chiral Flavor & Fragrance Ingredients Production (2021-2032)
 - 1.2.3 World Chiral Flavor & Fragrance Ingredients Pricing Trends (2021-2032)
- 1.3 World Chiral Flavor & Fragrance Ingredients Production by Region (Based on Production Site)
 - 1.3.1 World Chiral Flavor & Fragrance Ingredients Production Value by Region (2021-2032)
 - 1.3.2 World Chiral Flavor & Fragrance Ingredients Production by Region (2021-2032)
 - 1.3.3 World Chiral Flavor & Fragrance Ingredients Average Price by Region (2021-2032)
 - 1.3.4 North America Chiral Flavor & Fragrance Ingredients Production (2021-2032)
 - 1.3.5 Europe Chiral Flavor & Fragrance Ingredients Production (2021-2032)
 - 1.3.6 China Chiral Flavor & Fragrance Ingredients Production (2021-2032)
 - 1.3.7 Japan Chiral Flavor & Fragrance Ingredients Production (2021-2032)
 - 1.3.8 Southeast Asia Chiral Flavor & Fragrance Ingredients Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Chiral Flavor & Fragrance Ingredients Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Chiral Flavor & Fragrance Ingredients Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Chiral Flavor & Fragrance Ingredients Demand (2021-2032)
- 2.2 World Chiral Flavor & Fragrance Ingredients Consumption by Region
 - 2.2.1 World Chiral Flavor & Fragrance Ingredients Consumption by Region (2021-2026)
 - 2.2.2 World Chiral Flavor & Fragrance Ingredients Consumption Forecast by Region (2027-2032)
- 2.3 United States Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)
- 2.4 China Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)
- 2.5 Europe Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)
- 2.6 Japan Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)

- 2.7 South Korea Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)
- 2.8 ASEAN Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)
- 2.9 India Chiral Flavor & Fragrance Ingredients Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Chiral Flavor & Fragrance Ingredients Production Value by Manufacturer (2021-2026)
- 3.2 World Chiral Flavor & Fragrance Ingredients Production by Manufacturer (2021-2026)
- 3.3 World Chiral Flavor & Fragrance Ingredients Average Price by Manufacturer (2021-2026)
- 3.4 Chiral Flavor & Fragrance Ingredients Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Chiral Flavor & Fragrance Ingredients Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Chiral Flavor & Fragrance Ingredients in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Chiral Flavor & Fragrance Ingredients in 2025
- 3.6 Chiral Flavor & Fragrance Ingredients Market: Overall Company Footprint Analysis
 - 3.6.1 Chiral Flavor & Fragrance Ingredients Market: Region Footprint
 - 3.6.2 Chiral Flavor & Fragrance Ingredients Market: Company Product Type Footprint
 - 3.6.3 Chiral Flavor & Fragrance Ingredients Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Chiral Flavor & Fragrance Ingredients Production Value Comparison
 - 4.1.1 United States VS China: Chiral Flavor & Fragrance Ingredients Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Chiral Flavor & Fragrance Ingredients Production Value

Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Chiral Flavor & Fragrance Ingredients Production Comparison

4.2.1 United States VS China: Chiral Flavor & Fragrance Ingredients Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Chiral Flavor & Fragrance Ingredients Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Chiral Flavor & Fragrance Ingredients Consumption Comparison

4.3.1 United States VS China: Chiral Flavor & Fragrance Ingredients Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Chiral Flavor & Fragrance Ingredients Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Chiral Flavor & Fragrance Ingredients Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value (2021-2026)

4.4.3 United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production (2021-2026)

4.5 China Based Chiral Flavor & Fragrance Ingredients Manufacturers and Market Share

4.5.1 China Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value (2021-2026)

4.5.3 China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production (2021-2026)

4.6 Rest of World Based Chiral Flavor & Fragrance Ingredients Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Chiral Flavor & Fragrance Ingredients Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Odor-type Differentiated Enantiomers

5.2.2 Intensity-differentiated Enantiomers

5.2.3 Selective-active Enantiomers

5.2.4 Synergistic Enantiomer Mixtures

5.3 Market Segment by Type

5.3.1 World Chiral Flavor & Fragrance Ingredients Production by Type (2021-2032)

5.3.2 World Chiral Flavor & Fragrance Ingredients Production Value by Type (2021-2032)

5.3.3 World Chiral Flavor & Fragrance Ingredients Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PATHWAY

6.1 World Chiral Flavor & Fragrance Ingredients Market Size Overview by Pathway: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Pathway

6.2.1 Natural-derived Chiral Ingredients

6.2.2 Biocatalysis-derived

6.2.3 Asymmetric Synthesis-derived

6.2.4 Resolution-based

6.3 Market Segment by Pathway

6.3.1 World Chiral Flavor & Fragrance Ingredients Production by Pathway (2021-2032)

6.3.2 World Chiral Flavor & Fragrance Ingredients Production Value by Pathway (2021-2032)

6.3.3 World Chiral Flavor & Fragrance Ingredients Average Price by Pathway (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Chiral Flavor & Fragrance Ingredients Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Fine Fragrance

7.2.2 Consumer Fragrance

7.2.3 Food & Beverage Flavors

7.2.4 Functional Flavors

7.3 Market Segment by Application

7.3.1 World Chiral Flavor & Fragrance Ingredients Production by Application (2021-2032)

7.3.2 World Chiral Flavor & Fragrance Ingredients Production Value by Application (2021-2032)

7.3.3 World Chiral Flavor & Fragrance Ingredients Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Givaudan

8.1.1 Givaudan Details

8.1.2 Givaudan Major Business

8.1.3 Givaudan Chiral Flavor & Fragrance Ingredients Product and Services

8.1.4 Givaudan Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Givaudan Recent Developments/Updates

8.1.6 Givaudan Competitive Strengths & Weaknesses

8.2 DSM-Firmenich

8.2.1 DSM-Firmenich Details

8.2.2 DSM-Firmenich Major Business

8.2.3 DSM-Firmenich Chiral Flavor & Fragrance Ingredients Product and Services

8.2.4 DSM-Firmenich Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 DSM-Firmenich Recent Developments/Updates

8.2.6 DSM-Firmenich Competitive Strengths & Weaknesses

8.3 International Flavors & Fragrances (IFF)

8.3.1 International Flavors & Fragrances (IFF) Details

8.3.2 International Flavors & Fragrances (IFF) Major Business

8.3.3 International Flavors & Fragrances (IFF) Chiral Flavor & Fragrance Ingredients Product and Services

8.3.4 International Flavors & Fragrances (IFF) Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 International Flavors & Fragrances (IFF) Recent Developments/Updates

8.3.6 International Flavors & Fragrances (IFF) Competitive Strengths & Weaknesses

8.4 Symrise

8.4.1 Symrise Details

8.4.2 Symrise Major Business

8.4.3 Symrise Chiral Flavor & Fragrance Ingredients Product and Services

8.4.4 Symrise Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 Symrise Recent Developments/Updates

8.4.6 Symrise Competitive Strengths & Weaknesses

8.5 Takasago International

8.5.1 Takasago International Details

8.5.2 Takasago International Major Business

8.5.3 Takasago International Chiral Flavor & Fragrance Ingredients Product and Services

8.5.4 Takasago International Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 Takasago International Recent Developments/Updates

8.5.6 Takasago International Competitive Strengths & Weaknesses

8.6 Mane

8.6.1 Mane Details

8.6.2 Mane Major Business

8.6.3 Mane Chiral Flavor & Fragrance Ingredients Product and Services

8.6.4 Mane Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Mane Recent Developments/Updates

8.6.6 Mane Competitive Strengths & Weaknesses

8.7 Robertet

8.7.1 Robertet Details

8.7.2 Robertet Major Business

8.7.3 Robertet Chiral Flavor & Fragrance Ingredients Product and Services

8.7.4 Robertet Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.7.5 Robertet Recent Developments/Updates

8.7.6 Robertet Competitive Strengths & Weaknesses

8.8 Sensient Technologies

8.8.1 Sensient Technologies Details

8.8.2 Sensient Technologies Major Business

8.8.3 Sensient Technologies Chiral Flavor & Fragrance Ingredients Product and Services

8.8.4 Sensient Technologies Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Sensient Technologies Recent Developments/Updates

8.8.6 Sensient Technologies Competitive Strengths & Weaknesses

8.9 BASF (Aroma Ingredients)

- 8.9.1 BASF (Aroma Ingredients) Details
- 8.9.2 BASF (Aroma Ingredients) Major Business
- 8.9.3 BASF (Aroma Ingredients) Chiral Flavor & Fragrance Ingredients Product and Services
- 8.9.4 BASF (Aroma Ingredients) Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.9.5 BASF (Aroma Ingredients) Recent Developments/Updates
- 8.9.6 BASF (Aroma Ingredients) Competitive Strengths & Weaknesses
- 8.10 Kuraray
 - 8.10.1 Kuraray Details
 - 8.10.2 Kuraray Major Business
 - 8.10.3 Kuraray Chiral Flavor & Fragrance Ingredients Product and Services
 - 8.10.4 Kuraray Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Kuraray Recent Developments/Updates
 - 8.10.6 Kuraray Competitive Strengths & Weaknesses
- 8.11 Kao Corporation
 - 8.11.1 Kao Corporation Details
 - 8.11.2 Kao Corporation Major Business
 - 8.11.3 Kao Corporation Chiral Flavor & Fragrance Ingredients Product and Services
 - 8.11.4 Kao Corporation Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Kao Corporation Recent Developments/Updates
 - 8.11.6 Kao Corporation Competitive Strengths & Weaknesses
- 8.12 Zhejiang NHU
 - 8.12.1 Zhejiang NHU Details
 - 8.12.2 Zhejiang NHU Major Business
 - 8.12.3 Zhejiang NHU Chiral Flavor & Fragrance Ingredients Product and Services
 - 8.12.4 Zhejiang NHU Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.12.5 Zhejiang NHU Recent Developments/Updates
 - 8.12.6 Zhejiang NHU Competitive Strengths & Weaknesses
- 8.13 Huabao International
 - 8.13.1 Huabao International Details
 - 8.13.2 Huabao International Major Business
 - 8.13.3 Huabao International Chiral Flavor & Fragrance Ingredients Product and Services
 - 8.13.4 Huabao International Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 8.13.5 Huabao International Recent Developments/Updates
- 8.13.6 Huabao International Competitive Strengths & Weaknesses
- 8.14 Yingyang (China Flavors & Fragrances)
 - 8.14.1 Yingyang (China Flavors & Fragrances) Details
 - 8.14.2 Yingyang (China Flavors & Fragrances) Major Business
 - 8.14.3 Yingyang (China Flavors & Fragrances) Chiral Flavor & Fragrance Ingredients Product and Services
 - 8.14.4 Yingyang (China Flavors & Fragrances) Chiral Flavor & Fragrance Ingredients Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.14.5 Yingyang (China Flavors & Fragrances) Recent Developments/Updates
 - 8.14.6 Yingyang (China Flavors & Fragrances) Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Chiral Flavor & Fragrance Ingredients Industry Chain
- 9.2 Chiral Flavor & Fragrance Ingredients Upstream Analysis
 - 9.2.1 Chiral Flavor & Fragrance Ingredients Core Raw Materials
 - 9.2.2 Main Manufacturers of Chiral Flavor & Fragrance Ingredients Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 Chiral Flavor & Fragrance Ingredients Production Mode
- 9.6 Chiral Flavor & Fragrance Ingredients Procurement Model
- 9.7 Chiral Flavor & Fragrance Ingredients Industry Sales Model and Sales Channels
 - 9.7.1 Chiral Flavor & Fragrance Ingredients Sales Model
 - 9.7.2 Chiral Flavor & Fragrance Ingredients Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

- 11.1 Methodology
- 11.2 Research Process and Data Source
- 11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Chiral Flavor & Fragrance Ingredients Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Chiral Flavor & Fragrance Ingredients Production Value by Region (2021-2026) & (USD Million)

Table 3. World Chiral Flavor & Fragrance Ingredients Production Value by Region (2027-2032) & (USD Million)

Table 4. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Region (2021-2026)

Table 5. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Region (2027-2032)

Table 6. World Chiral Flavor & Fragrance Ingredients Production by Region (2021-2026) & (Tons)

Table 7. World Chiral Flavor & Fragrance Ingredients Production by Region (2027-2032) & (Tons)

Table 8. World Chiral Flavor & Fragrance Ingredients Production Market Share by Region (2021-2026)

Table 9. World Chiral Flavor & Fragrance Ingredients Production Market Share by Region (2027-2032)

Table 10. World Chiral Flavor & Fragrance Ingredients Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Chiral Flavor & Fragrance Ingredients Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Chiral Flavor & Fragrance Ingredients Major Market Trends

Table 13. World Chiral Flavor & Fragrance Ingredients Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Chiral Flavor & Fragrance Ingredients Consumption by Region (2021-2026) & (Tons)

Table 15. World Chiral Flavor & Fragrance Ingredients Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Chiral Flavor & Fragrance Ingredients Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Chiral Flavor & Fragrance Ingredients Producers in 2025

Table 18. World Chiral Flavor & Fragrance Ingredients Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Chiral Flavor & Fragrance Ingredients Producers in 2025

Table 20. World Chiral Flavor & Fragrance Ingredients Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Chiral Flavor & Fragrance Ingredients Company Evaluation Quadrant

Table 22. World Chiral Flavor & Fragrance Ingredients Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Chiral Flavor & Fragrance Ingredients Production Site of Key Manufacturer

Table 24. Chiral Flavor & Fragrance Ingredients Market: Company Product Type Footprint

Table 25. Chiral Flavor & Fragrance Ingredients Market: Company Product Application Footprint

Table 26. Chiral Flavor & Fragrance Ingredients Competitive Factors

Table 27. Chiral Flavor & Fragrance Ingredients New Entrant and Capacity Expansion Plans

Table 28. Chiral Flavor & Fragrance Ingredients Mergers & Acquisitions Activity

Table 29. United States VS China Chiral Flavor & Fragrance Ingredients Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Chiral Flavor & Fragrance Ingredients Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Chiral Flavor & Fragrance Ingredients Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share (2021-2026)

Table 37. China Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value Market Share (2021-2026)

- Table 40. China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production, (2021-2026) & (Tons)
- Table 41. China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share (2021-2026)
- Table 42. Rest of World Based Chiral Flavor & Fragrance Ingredients Manufacturers, Headquarters and Production Site (State, Country)
- Table 43. Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value, (2021-2026) & (USD Million)
- Table 44. Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Value Market Share (2021-2026)
- Table 45. Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production, (2021-2026) & (Tons)
- Table 46. Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share (2021-2026)
- Table 47. World Chiral Flavor & Fragrance Ingredients Production Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 48. World Chiral Flavor & Fragrance Ingredients Production by Type (2021-2026) & (Tons)
- Table 49. World Chiral Flavor & Fragrance Ingredients Production by Type (2027-2032) & (Tons)
- Table 50. World Chiral Flavor & Fragrance Ingredients Production Value by Type (2021-2026) & (USD Million)
- Table 51. World Chiral Flavor & Fragrance Ingredients Production Value by Type (2027-2032) & (USD Million)
- Table 52. World Chiral Flavor & Fragrance Ingredients Average Price by Type (2021-2026) & (US\$/Ton)
- Table 53. World Chiral Flavor & Fragrance Ingredients Average Price by Type (2027-2032) & (US\$/Ton)
- Table 54. World Chiral Flavor & Fragrance Ingredients Production Value by Pathway, (USD Million), 2021 & 2025 & 2032
- Table 55. World Chiral Flavor & Fragrance Ingredients Production by Pathway (2021-2026) & (Tons)
- Table 56. World Chiral Flavor & Fragrance Ingredients Production by Pathway (2027-2032) & (Tons)
- Table 57. World Chiral Flavor & Fragrance Ingredients Production Value by Pathway (2021-2026) & (USD Million)
- Table 58. World Chiral Flavor & Fragrance Ingredients Production Value by Pathway (2027-2032) & (USD Million)
- Table 59. World Chiral Flavor & Fragrance Ingredients Average Price by Pathway

(2021-2026) & (US\$/Ton)

Table 60. World Chiral Flavor & Fragrance Ingredients Average Price by Pathway
(2027-2032) & (US\$/Ton)

Table 61. World Chiral Flavor & Fragrance Ingredients Production Value by Application,
(USD Million), 2021 & 2025 & 2032

Table 62. World Chiral Flavor & Fragrance Ingredients Production by Application
(2021-2026) & (Tons)

Table 63. World Chiral Flavor & Fragrance Ingredients Production by Application
(2027-2032) & (Tons)

Table 64. World Chiral Flavor & Fragrance Ingredients Production Value by Application
(2021-2026) & (USD Million)

Table 65. World Chiral Flavor & Fragrance Ingredients Production Value by Application
(2027-2032) & (USD Million)

Table 66. World Chiral Flavor & Fragrance Ingredients Average Price by Application
(2021-2026) & (US\$/Ton)

Table 67. World Chiral Flavor & Fragrance Ingredients Average Price by Application
(2027-2032) & (US\$/Ton)

Table 68. Givaudan Basic Information, Manufacturing Base and Competitors

Table 69. Givaudan Major Business

Table 70. Givaudan Chiral Flavor & Fragrance Ingredients Product and Services

Table 71. Givaudan Chiral Flavor & Fragrance Ingredients Production (Tons), Price
(US\$/Ton), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 72. Givaudan Recent Developments/Updates

Table 73. Givaudan Competitive Strengths & Weaknesses

Table 74. DSM-Firmenich Basic Information, Manufacturing Base and Competitors

Table 75. DSM-Firmenich Major Business

Table 76. DSM-Firmenich Chiral Flavor & Fragrance Ingredients Product and Services

Table 77. DSM-Firmenich Chiral Flavor & Fragrance Ingredients Production (Tons),
Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 78. DSM-Firmenich Recent Developments/Updates

Table 79. DSM-Firmenich Competitive Strengths & Weaknesses

Table 80. International Flavors & Fragrances (IFF) Basic Information, Manufacturing
Base and Competitors

Table 81. International Flavors & Fragrances (IFF) Major Business

Table 82. International Flavors & Fragrances (IFF) Chiral Flavor & Fragrance
Ingredients Product and Services

Table 83. International Flavors & Fragrances (IFF) Chiral Flavor & Fragrance

Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. International Flavors & Fragrances (IFF) Recent Developments/Updates

Table 85. International Flavors & Fragrances (IFF) Competitive Strengths & Weaknesses

Table 86. Symrise Basic Information, Manufacturing Base and Competitors

Table 87. Symrise Major Business

Table 88. Symrise Chiral Flavor & Fragrance Ingredients Product and Services

Table 89. Symrise Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Symrise Recent Developments/Updates

Table 91. Symrise Competitive Strengths & Weaknesses

Table 92. Takasago International Basic Information, Manufacturing Base and Competitors

Table 93. Takasago International Major Business

Table 94. Takasago International Chiral Flavor & Fragrance Ingredients Product and Services

Table 95. Takasago International Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. Takasago International Recent Developments/Updates

Table 97. Takasago International Competitive Strengths & Weaknesses

Table 98. Mane Basic Information, Manufacturing Base and Competitors

Table 99. Mane Major Business

Table 100. Mane Chiral Flavor & Fragrance Ingredients Product and Services

Table 101. Mane Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Mane Recent Developments/Updates

Table 103. Mane Competitive Strengths & Weaknesses

Table 104. Robertet Basic Information, Manufacturing Base and Competitors

Table 105. Robertet Major Business

Table 106. Robertet Chiral Flavor & Fragrance Ingredients Product and Services

Table 107. Robertet Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Robertet Recent Developments/Updates

Table 109. Robertet Competitive Strengths & Weaknesses

Table 110. Sensient Technologies Basic Information, Manufacturing Base and Competitors

Table 111. Sensient Technologies Major Business

Table 112. Sensient Technologies Chiral Flavor & Fragrance Ingredients Product and Services

Table 113. Sensient Technologies Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. Sensient Technologies Recent Developments/Updates

Table 115. Sensient Technologies Competitive Strengths & Weaknesses

Table 116. BASF (Aroma Ingredients) Basic Information, Manufacturing Base and Competitors

Table 117. BASF (Aroma Ingredients) Major Business

Table 118. BASF (Aroma Ingredients) Chiral Flavor & Fragrance Ingredients Product and Services

Table 119. BASF (Aroma Ingredients) Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. BASF (Aroma Ingredients) Recent Developments/Updates

Table 121. BASF (Aroma Ingredients) Competitive Strengths & Weaknesses

Table 122. Kuraray Basic Information, Manufacturing Base and Competitors

Table 123. Kuraray Major Business

Table 124. Kuraray Chiral Flavor & Fragrance Ingredients Product and Services

Table 125. Kuraray Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Kuraray Recent Developments/Updates

Table 127. Kuraray Competitive Strengths & Weaknesses

Table 128. Kao Corporation Basic Information, Manufacturing Base and Competitors

Table 129. Kao Corporation Major Business

Table 130. Kao Corporation Chiral Flavor & Fragrance Ingredients Product and Services

Table 131. Kao Corporation Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Kao Corporation Recent Developments/Updates

Table 133. Kao Corporation Competitive Strengths & Weaknesses

Table 134. Zhejiang NHU Basic Information, Manufacturing Base and Competitors

Table 135. Zhejiang NHU Major Business

Table 136. Zhejiang NHU Chiral Flavor & Fragrance Ingredients Product and Services

Table 137. Zhejiang NHU Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Zhejiang NHU Recent Developments/Updates

Table 139. Zhejiang NHU Competitive Strengths & Weaknesses

Table 140. Huabao International Basic Information, Manufacturing Base and Competitors

Table 141. Huabao International Major Business

Table 142. Huabao International Chiral Flavor & Fragrance Ingredients Product and Services

Table 143. Huabao International Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Huabao International Recent Developments/Updates

Table 145. Huabao International Competitive Strengths & Weaknesses

Table 146. Yingyang (China Flavors & Fragrances) Basic Information, Manufacturing Base and Competitors

Table 147. Yingyang (China Flavors & Fragrances) Major Business

Table 148. Yingyang (China Flavors & Fragrances) Chiral Flavor & Fragrance Ingredients Product and Services

Table 149. Yingyang (China Flavors & Fragrances) Chiral Flavor & Fragrance Ingredients Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Yingyang (China Flavors & Fragrances) Recent Developments/Updates

Table 151. Yingyang (China Flavors & Fragrances) Competitive Strengths & Weaknesses

Table 152. Global Key Players of Chiral Flavor & Fragrance Ingredients Upstream (Raw Materials)

Table 153. Global Chiral Flavor & Fragrance Ingredients Typical Customers

Table 154. Chiral Flavor & Fragrance Ingredients Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Chiral Flavor & Fragrance Ingredients Picture

Figure 2. World Chiral Flavor & Fragrance Ingredients Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Chiral Flavor & Fragrance Ingredients Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 5. World Chiral Flavor & Fragrance Ingredients Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Region (2021-2032)

Figure 7. World Chiral Flavor & Fragrance Ingredients Production Market Share by Region (2021-2032)

Figure 8. North America Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 9. Europe Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 10. China Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 11. Japan Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 12. Southeast Asia Chiral Flavor & Fragrance Ingredients Production (2021-2032) & (Tons)

Figure 13. Chiral Flavor & Fragrance Ingredients Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 16. World Chiral Flavor & Fragrance Ingredients Consumption Market Share by Region (2021-2032)

Figure 17. United States Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 18. China Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 19. Europe Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 20. Japan Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) &

(Tons)

Figure 21. South Korea Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 22. ASEAN Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 23. India Chiral Flavor & Fragrance Ingredients Consumption (2021-2032) & (Tons)

Figure 24. Producer Shipments of Chiral Flavor & Fragrance Ingredients by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Chiral Flavor & Fragrance Ingredients Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Chiral Flavor & Fragrance Ingredients Markets in 2025

Figure 27. United States VS China: Chiral Flavor & Fragrance Ingredients Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Chiral Flavor & Fragrance Ingredients Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Chiral Flavor & Fragrance Ingredients Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share 2025

Figure 31. China Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Chiral Flavor & Fragrance Ingredients Production Market Share 2025

Figure 33. World Chiral Flavor & Fragrance Ingredients Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Type in 2025

Figure 35. Odor-type Differentiated Enantiomers

Figure 36. Intensity-differentiated Enantiomers

Figure 37. Selective-active Enantiomers

Figure 38. Synergistic Enantiomer Mixtures

Figure 39. World Chiral Flavor & Fragrance Ingredients Production Market Share by Type (2021-2032)

Figure 40. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Type (2021-2032)

Figure 41. World Chiral Flavor & Fragrance Ingredients Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. World Chiral Flavor & Fragrance Ingredients Production Value by Pathway, (USD Million), 2021 & 2025 & 2032

Figure 43. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Pathway in 2025

Figure 44. Natural-derived Chiral Ingredients

Figure 45. Biocatalysis-derived

Figure 46. Asymmetric Synthesis-derived

Figure 47. Resolution-based

Figure 48. World Chiral Flavor & Fragrance Ingredients Production Market Share by Pathway (2021-2032)

Figure 49. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Pathway (2021-2032)

Figure 50. World Chiral Flavor & Fragrance Ingredients Average Price by Pathway (2021-2032) & (US\$/Ton)

Figure 51. World Chiral Flavor & Fragrance Ingredients Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 52. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Application in 2025

Figure 53. Fine Fragrance

Figure 54. Consumer Fragrance

Figure 55. Food & Beverage Flavors

Figure 56. Functional Flavors

Figure 57. World Chiral Flavor & Fragrance Ingredients Production Market Share by Application (2021-2032)

Figure 58. World Chiral Flavor & Fragrance Ingredients Production Value Market Share by Application (2021-2032)

Figure 59. World Chiral Flavor & Fragrance Ingredients Average Price by Application (2021-2032) & (US\$/Ton)

Figure 60. Chiral Flavor & Fragrance Ingredients Industry Chain

Figure 61. Chiral Flavor & Fragrance Ingredients Procurement Model

Figure 62. Chiral Flavor & Fragrance Ingredients Sales Model

Figure 63. Chiral Flavor & Fragrance Ingredients Sales Channels, Direct Sales, and Distribution

Figure 64. Methodology

Figure 65. Research Process and Data Source

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