

Global Food Grade Carbon Dioxide Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/FED3F75B728BEN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: FED3F75B728BEN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Food Grade Carbon Dioxide market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Food Grade Carbon Dioxide 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

Food grade carbon dioxide refers to carbon dioxide (CO₂) that meets the purity and safety standards set by regulatory agencies for use in the food and beverage industry. This type of carbon dioxide is typically produced through processes such as fermentation, combustion, or extraction from natural sources and is purified to remove impurities and contaminants. Food grade CO₂ is commonly used in food and beverage processing applications such as carbonation of beverages (soft drinks, beer, sparkling water), preservation of packaged foods (to inhibit microbial growth and extend shelf life), and as a propellant in food-grade aerosol products (whipped cream dispensers). It is essential that food grade CO₂ meets strict quality and safety requirements to ensure that it does not impart any harmful substances or flavors to the products it is used in, making it suitable for consumption by humans.

The major global manufacturers of Food Grade Carbon Dioxide include Linde, Air Liquide, Air Products, Taiyo Nippon Sanso, Messer Group, BASF, SOL Group, Acail G?s, Co2 Gas Company, 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 Food Grade Carbon Dioxide. 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 Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide Include:

Linde

Air Liquide

Air Products

Taiyo Nippon Sanso

Messer Group

BASF

SOL Group

Acail G?s

Co2 Gas Company

Food Grade Carbon Dioxide Product Segment Include:

Solid State Carbon Dioxide

Liquid State Carbon Dioxide

Food Grade Carbon Dioxide Product Application Include:

Carbonated Beverage

Alcoholic Beverages

Food Freezing/Refrigeration

Others

Chapter Scope

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

Chapter 2: Global Food Grade Carbon Dioxide Capacity and Production Analysis

Chapter 3: Global Food Grade Carbon Dioxide Industry PESTEL Analysis

Chapter 4: Global Food Grade Carbon Dioxide Industry Porter's Five Forces Analysis

Chapter 5: Global Food Grade Carbon Dioxide Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global Food Grade Carbon Dioxide Market Size and Forecast by Type and Application Analysis

Chapter 7: North America Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: APAC (Excl. China) Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Latin America Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Middle East and Africa Food Grade Carbon Dioxide Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 13: Global Food Grade Carbon Dioxide 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 FOOD GRADE CARBON DIOXIDE MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Food Grade Carbon Dioxide Product by Type
 - 1.2.1 Solid State Carbon Dioxide
 - 1.2.2 Liquid State Carbon Dioxide
- 1.3 Food Grade Carbon Dioxide Product by Application
 - 1.3.1 Carbonated Beverage
 - 1.3.2 Alcoholic Beverages
 - 1.3.3 Food Freezing/Refrigeration
 - 1.3.4 Others
- 1.4 Global Food Grade Carbon Dioxide Market Revenue and Sales Analysis
 - 1.4.1 Global Food Grade Carbon Dioxide Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Food Grade Carbon Dioxide Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Food Grade Carbon Dioxide Market Sales Price Trend Analysis (2020-2032)
- 1.5 Food Grade Carbon Dioxide Industry Trends and Innovation
 - 1.5.1 Food Grade Carbon Dioxide Industry Trends and Innovation
 - 1.5.2 Food Grade Carbon Dioxide Market Drivers and Challenges

2 GLOBAL FOOD GRADE CARBON DIOXIDE CAPACITY AND PRODUCTION ANALYSIS

- 2.1 Global Food Grade Carbon Dioxide Capacity, Production and Utilization (2020-2032)
- 2.2 Global Food Grade Carbon Dioxide Production Growth Trend by Region: 2024 VS 2025 VS 2030
- 2.3 Global Food Grade Carbon Dioxide Production by Region
 - 2.3.1 Global Food Grade Carbon Dioxide Production by Region (2020-2025)
 - 2.3.2 Global Food Grade Carbon Dioxide Production Forecast by Region (2026-2032)
 - 2.3.3 Global Food Grade Carbon Dioxide Production Market Share by Region (2020-2032)

3 FOOD GRADE CARBON DIOXIDE 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 FOOD GRADE CARBON DIOXIDE 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 FOOD GRADE CARBON DIOXIDE MARKET ANALYSIS BY REGIONS

- 5.1 Food Grade Carbon Dioxide Overall Market: 2024 VS 2025 VS 2032
- 5.2 Global Food Grade Carbon Dioxide Revenue and Forecast Analysis (2020-2032)
 - 5.2.1 Global Food Grade Carbon Dioxide Revenue and Market Share by Region (2020-2025)
 - 5.2.2 Global Food Grade Carbon Dioxide Revenue and Market Forecast by Region (2026-2032)
- 5.3 Global Food Grade Carbon Dioxide Sales and Forecast Analysis (2020-2032)
 - 5.3.1 Global Food Grade Carbon Dioxide Sales and Market Share by Region (2020-2025)
 - 5.3.2 Global Food Grade Carbon Dioxide Sales and Market Forecast by Region (2026-2032)
- 5.4 Global Food Grade Carbon Dioxide Sales Price Trend Analysis (2020-2032)

6 GLOBAL FOOD GRADE CARBON DIOXIDE MARKET SIZE BY TYPE AND APPLICATION

- 6.1 Global Food Grade Carbon Dioxide Market Size by Type
 - 6.1.1 Global Food Grade Carbon Dioxide Revenue and Forecast Analysis by Type (2020-2032)
 - 6.1.2 Global Food Grade Carbon Dioxide Sales and Forecast Analysis by Type (2020-2032)
- 6.2 Global Food Grade Carbon Dioxide Market Size by Application
 - 6.2.1 Global Food Grade Carbon Dioxide Revenue and Forecast Analysis by Application (2020-2032)

6.2.2 Global Food Grade Carbon Dioxide Sales and Forecast Analysis by Application (2020-2032)

7 NORTH AMERICA

7.1 North America Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)

7.2 North America Key Manufacturers Analysis

7.3 North America Food Grade Carbon Dioxide Market Size by Type

7.3.1 North America Food Grade Carbon Dioxide Sales by Type (2020-2032)

7.3.2 North America Food Grade Carbon Dioxide Revenue by Type (2020-2032)

7.4 North America Food Grade Carbon Dioxide Market Size by Application

7.4.1 North America Food Grade Carbon Dioxide Sales by Application (2020-2032)

7.4.2 North America Food Grade Carbon Dioxide Revenue by Application (2020-2032)

7.5 North America Food Grade Carbon Dioxide Market Size by Country

7.5.1 US

7.5.2 Canada

8 EUROPE

8.1 Europe Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)

8.2 Europe Key Manufacturers Analysis

8.3 Europe Food Grade Carbon Dioxide Market Size by Type

8.3.1 Europe Food Grade Carbon Dioxide Sales by Type (2020-2032)

8.3.2 Europe Food Grade Carbon Dioxide Revenue by Type (2020-2032)

8.4 Europe Food Grade Carbon Dioxide Market Size by Application

8.4.1 Europe Food Grade Carbon Dioxide Sales by Application (2020-2032)

8.4.2 Europe Food Grade Carbon Dioxide Revenue by Application (2020-2032)

8.5 Europe Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)

9.2 China Key Manufacturers Analysis

9.3 China Food Grade Carbon Dioxide Market Size by Type

9.3.1 China Food Grade Carbon Dioxide Sales by Type (2020-2032)

9.3.2 China Food Grade Carbon Dioxide Revenue by Type (2020-2032)

9.4 China Food Grade Carbon Dioxide Market Size by Application

9.4.1 China Food Grade Carbon Dioxide Sales by Application (2020-2032)

9.4.2 China Food Grade Carbon Dioxide Revenue by Application (2020-2032)

10 APAC (EXCL. CHINA)

10.1 APAC (excl. China) Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)

10.2 APAC (excl. China) Key Manufacturers Analysis

10.3 APAC (excl. China) Food Grade Carbon Dioxide Market Size by Type

10.3.1 APAC (excl. China) Food Grade Carbon Dioxide Sales by Type (2020-2032)

10.3.2 APAC (excl. China) Food Grade Carbon Dioxide Revenue by Type (2020-2032)

10.4 APAC (excl. China) Food Grade Carbon Dioxide Market Size by Application

10.4.1 APAC (excl. China) Food Grade Carbon Dioxide Sales by Application (2020-2032)

10.4.2 APAC (excl. China) Food Grade Carbon Dioxide Revenue by Application (2020-2032)

10.5 APAC (excl. China) Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)

11.2 Latin America Key Manufacturers Analysis

11.3 LATIN AMERICA FOOD GRADE CARBON DIOXIDE MARKET SIZE BY TYPE

11.3.1 Latin America Food Grade Carbon Dioxide Sales by Type (2020-2032)

- 11.3.2 Latin America Food Grade Carbon Dioxide Revenue by Type (2020-2032)
- 11.4 Latin America Food Grade Carbon Dioxide Market Size by Application
 - 11.4.1 Latin America Food Grade Carbon Dioxide Sales by Application (2020-2032)
 - 11.4.2 Latin America Food Grade Carbon Dioxide Revenue by Application (2020-2032)
- 11.5 Latin America Food Grade Carbon Dioxide Market Size by Country
- 11.6 Latin America Food Grade Carbon Dioxide Market Size by Country
 - 11.6.1 Mexico
 - 11.6.2 Brazil

12 MIDDLE EAST & AFRICA

- 12.1 Middle East & Africa Food Grade Carbon Dioxide Market Size and Growth Rate Analysis (2020-2032)
- 12.2 Middle East & Africa Key Manufacturers Analysis
- 12.3 Middle East & Africa Food Grade Carbon Dioxide Market Size by Type
 - 12.3.1 Middle East & Africa Food Grade Carbon Dioxide Sales by Type (2020-2032)
 - 12.3.2 Middle East & Africa Food Grade Carbon Dioxide Revenue by Type (2020-2032)
- 12.4 Middle East & Africa Food Grade Carbon Dioxide Market Size by Application
 - 12.4.1 Middle East & Africa Food Grade Carbon Dioxide Sales by Application (2020-2032)
 - 12.4.2 Middle East & Africa Food Grade Carbon Dioxide Revenue by Application (2020-2032)
- 12.5 Middle East Food Grade Carbon Dioxide Market Size by Country
 - 12.5.1 Saudi Arabia
 - 12.5.2 South Africa

13 COMPETITION BY MANUFACTURERS

- 13.1 Global Food Grade Carbon Dioxide Market Sales, Revenue and Price by Key Manufacturers (2021-2025)
 - 13.1.1 Global Food Grade Carbon Dioxide Market Sales by Key Manufacturers (2021-2025)
 - 13.1.2 Global Food Grade Carbon Dioxide Market Revenue by Key Manufacturers (2021-2025)
 - 13.1.3 Global Food Grade Carbon Dioxide Average Sales Price by Manufacturers (2021-2025)
- 13.2 Food Grade Carbon Dioxide Competitive Landscape Analysis and Market Dynamic

- 13.2.1 Food Grade Carbon Dioxide 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 Linde

14.1.1 Linde Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.1.2 Linde Food Grade Carbon Dioxide Product Portfolio

14.1.3 Linde Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.2 Air Liquide

14.2.1 Air Liquide Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.2.2 Air Liquide Food Grade Carbon Dioxide Product Portfolio

14.2.3 Air Liquide Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.3 Air Products

14.3.1 Air Products Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.3.2 Air Products Food Grade Carbon Dioxide Product Portfolio

14.3.3 Air Products Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.4 Taiyo Nippon Sanso

14.4.1 Taiyo Nippon Sanso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.4.2 Taiyo Nippon Sanso Food Grade Carbon Dioxide Product Portfolio

14.4.3 Taiyo Nippon Sanso Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.5 Messer Group

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

14.5.2 Messer Group Food Grade Carbon Dioxide Product Portfolio

14.5.3 Messer Group Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.6 BASF

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

- 14.6.2 BASF Food Grade Carbon Dioxide Product Portfolio
- 14.6.3 BASF Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.7 SOL Group
 - 14.7.1 SOL Group Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.7.2 SOL Group Food Grade Carbon Dioxide Product Portfolio
 - 14.7.3 SOL Group Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.8 Acail Gas
 - 14.8.1 Acail Gas Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.8.2 Acail Gas Food Grade Carbon Dioxide Product Portfolio
 - 14.8.3 Acail Gas Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)
- 14.9 Co2 Gas Company
 - 14.9.1 Co2 Gas Company Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
 - 14.9.2 Co2 Gas Company Food Grade Carbon Dioxide Product Portfolio
 - 14.9.3 Co2 Gas Company Food Grade Carbon Dioxide Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

15 INDUSTRY CHAIN ANALYSIS

- 15.1 Food Grade Carbon Dioxide Industry Chain Analysis
- 15.2 Food Grade Carbon Dioxide Industry Raw Material and Suppliers Analysis
 - 15.2.1 Food Grade Carbon Dioxide Key Raw Material Supply Analysis
 - 15.2.2 Raw Material Suppliers and Contact Information
- 15.3 Food Grade Carbon Dioxide Typical Downstream Customers
- 15.4 Food Grade Carbon Dioxide 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 Food Grade Carbon Dioxide Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Food Grade Carbon Dioxide Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Food Grade Carbon Dioxide Industry Development Status

Table 4: Food Grade Carbon Dioxide Industry Development Trends

Table 5: Global Food Grade Carbon Dioxide Production Growth Rate (CAGR) by Region: 2024 VS 2025 VS 2032 (K Ton)

Table 6: Global Food Grade Carbon Dioxide Production by Region (2020-2025) & (K Ton)

Table 7: Global Food Grade Carbon Dioxide Production Forecast by Region (2026-2032) & (K Ton)

Table 8: Global Food Grade Carbon Dioxide Production Market Share by Region (2020-2025)

Table 9: Global Food Grade Carbon Dioxide Production Market Share by Region (2026-2032)

Table 10: Global Food Grade Carbon Dioxide Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 11: Global Food Grade Carbon Dioxide Revenue by Region (2020-2025) & (US\$ Million)

Table 12: Global Food Grade Carbon Dioxide Revenue Market Share by Region (2020-2025)

Table 13: Global Food Grade Carbon Dioxide Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 14: Global Food Grade Carbon Dioxide Revenue Market Share Forecast by Region (2026-2032)

Table 15: Global Food Grade Carbon Dioxide Sales by Region (2020-2025) & (K Ton)

Table 16: Global Food Grade Carbon Dioxide Sales Market Share by Region (2020-2025)

Table 17: Global Food Grade Carbon Dioxide Sales Forecast by Region (2026-2032) & (K Ton)

Table 18: Global Food Grade Carbon Dioxide Sales Market Share Forecast by Region (2026-2032)

Table 19: Global Food Grade Carbon Dioxide Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 20: Global Food Grade Carbon Dioxide Revenue Analysis Forecast by Type

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

Table 21: Global Food Grade Carbon Dioxide Sales Analysis by Type (2020-2025) & (K Ton)

Table 22: Global Food Grade Carbon Dioxide Sales Analysis Forecast by Type (2026-2032) & (K Ton)

Table 23: Global Food Grade Carbon Dioxide Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 24: Global Food Grade Carbon Dioxide Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)

Table 25: Global Food Grade Carbon Dioxide Sales Analysis by Application (2020-2025) & (K Ton)

Table 26: Global Food Grade Carbon Dioxide Sales Analysis Forecast by Application (2026-2032) & (K Ton)

Table 27: Key Food Grade Carbon Dioxide Players in North America

Table 28: North America Food Grade Carbon Dioxide Sales by Type (2020-2025) & (K Ton)

Table 29: North America Food Grade Carbon Dioxide Sales by Type (2026-2032) & (K Ton)

Table 30: North America Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 31: North America Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 32: North America Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 33: North America Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 34: North America Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 35: North America Food Grade Carbon Dioxide Revenue by Application (2026-2032) & (US\$ Million)

Table 36: North America Food Grade Carbon Dioxide Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 37: North America Food Grade Carbon Dioxide Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 38: North America Food Grade Carbon Dioxide Sales Market Size by Country (2020-2025) & (K Ton)

Table 39: North America Food Grade Carbon Dioxide Sales Market Size by Country (2026-2032) & (K Ton)

Table 40: Key Food Grade Carbon Dioxide Players in Europe

Table 41: Europe Food Grade Carbon Dioxide Sales by Type (2020-2025) & (K Ton)

Table 42: Europe Food Grade Carbon Dioxide Sales by Type (2026-2032) & (K Ton)

Table 43: Europe Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 44: Europe Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 45: Europe Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 46: Europe Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 47: Europe Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 48: Europe Food Grade Carbon Dioxide Revenue by Application (2026-2032) & (US\$ Million)

Table 49: Europe Food Grade Carbon Dioxide Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 50: Europe Food Grade Carbon Dioxide Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 51: Europe Food Grade Carbon Dioxide Sales Market Size by Country (2020-2025) & (K Ton)

Table 52: Europe Food Grade Carbon Dioxide Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 53: Key Food Grade Carbon Dioxide Players in China

Table 54: China Food Grade Carbon Dioxide Sales by Type (2020-2025) & (K Ton)

Table 55: China Food Grade Carbon Dioxide Sales by Type (2026-2032) & (K Ton)

Table 56: China Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 57: China Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 58: China Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 59: China Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 60: China Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 61: China Food Grade Carbon Dioxide Revenue by Application (2026-2032) & (US\$ Million)

Table 62: Key Food Grade Carbon Dioxide Players in APAC (excl. China)

Table 63: APAC (excl. China) Food Grade Carbon Dioxide Sales by Type (2020-2025)

& (K Ton)

Table 64: APAC (excl. China) Food Grade Carbon Dioxide Sales by Type (2026-2032)

& (K Ton)

Table 65: APAC (excl. China) Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 66: APAC (excl. China) Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 67: APAC (excl. China) Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 68: APAC (excl. China) Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 69: APAC (excl. China) Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 70: APAC (excl. China) Food Grade Carbon Dioxide Revenue by Application (2026-2032) & (US\$ Million)

Table 71:: APAC (excl. China) Food Grade Carbon Dioxide Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 72: APAC (excl. China) Food Grade Carbon Dioxide Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 73: APAC (excl. China) Food Grade Carbon Dioxide Sales Market Size by Country (2020-2025) & (K Ton)

Table 74: APAC (excl. China) Food Grade Carbon Dioxide Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 75: Key Food Grade Carbon Dioxide Players in Latin America

Table 76: Latin America Food Grade Carbon Dioxide Sales by Type (2020-2025) & (K Ton)

Table 77: Latin America Food Grade Carbon Dioxide Sales by Type (2026-2032) & (K Ton)

Table 78: Latin America Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 79: Latin America Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 80: Latin America Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 81: Latin America Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 82: Latin America Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 83: Latin America Food Grade Carbon Dioxide Revenue by Application

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

Table 84: Latin America Food Grade Carbon Dioxide Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 85: Latin America Food Grade Carbon Dioxide Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 86: Latin America Food Grade Carbon Dioxide Sales Market Size by Country (2020-2025) & (K Ton)

Table 87: Latin America Food Grade Carbon Dioxide Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 88: Key Food Grade Carbon Dioxide Players in Middle East & Africa

Table 89: Middle East & Africa Food Grade Carbon Dioxide Sales by Type (2020-2025) & (K Ton)

Table 90: Middle East & Africa Food Grade Carbon Dioxide Sales by Type (2026-2032) & (K Ton)

Table 91: Middle East & Africa Food Grade Carbon Dioxide Revenue by Type (2020-2025) & (US\$ Million)

Table 92: Middle East & Africa Food Grade Carbon Dioxide Revenue by Type (2026-2032) & (US\$ Million)

Table 93: Middle East & Africa Food Grade Carbon Dioxide Sales by Application (2020-2025) & (K Ton)

Table 94: Middle East & Africa Food Grade Carbon Dioxide Sales by Application (2026-2032) & (K Ton)

Table 95: Middle East & Africa Food Grade Carbon Dioxide Revenue by Application (2020-2025) & (US\$ Million)

Table 96: Middle East & Africa Food Grade Carbon Dioxide Revenue by Application (2026-2032) & (US\$ Million)

Table 97: Middle East & Africa Food Grade Carbon Dioxide Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 98: Middle East & Africa Food Grade Carbon Dioxide Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 99: Middle East & Africa Food Grade Carbon Dioxide Sales Market Size by Country (2020-2025) & (K Ton)

Table 100: Middle East & Africa Food Grade Carbon Dioxide Sales Market Size Forecast by Country (2026-2032) & (K Ton)

Table 101: Global Food Grade Carbon Dioxide Market Sales by Key Manufacturers (2021-2025) & (K Ton)

Table 102: Global Food Grade Carbon Dioxide Sales Market Share by Key Manufacturers (2021-2025)

Table 103: Global Food Grade Carbon Dioxide Market Revenue by Key Manufacturers

(2021-2025) & (US\$ Million)

Table 104: Global Food Grade Carbon Dioxide 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: Linde Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 109: Linde Food Grade Carbon Dioxide Product Portfolio

Table 110: Linde Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 111: Air Liquide Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 112: Air Liquide Food Grade Carbon Dioxide Product Portfolio

Table 113: Air Liquide Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 114: Air Products Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 115: Air Products Food Grade Carbon Dioxide Product Portfolio

Table 116: Air Products Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 117: Taiyo Nippon Sanso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 118: Taiyo Nippon Sanso Food Grade Carbon Dioxide Product Portfolio

Table 119: Taiyo Nippon Sanso Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

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

Table 121: Messer Group Food Grade Carbon Dioxide Product Portfolio

Table 122: Messer Group Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

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

Table 124: BASF Food Grade Carbon Dioxide Product Portfolio

Table 125: BASF Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

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

Table 127: SOL Group Food Grade Carbon Dioxide Product Portfolio

Table 128: SOL Group Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

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

Table 130: Acail Gas Food Grade Carbon Dioxide Product Portfolio

Table 131: Acail Gas Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 132: Co2 Gas Company Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 133: Co2 Gas Company Food Grade Carbon Dioxide Product Portfolio

Table 134: Co2 Gas Company Food Grade Carbon Dioxide Revenue (US\$ Million), Sales (K Ton), Price (USD/Ton), Gross Margin and Market Share (2021-2025)

Table 135: Upstream Key Raw Material Price List

Table 136: Food Grade Carbon Dioxide Raw Material Suppliers and Contact Information

Table 137: Food Grade Carbon Dioxide Typical Customer List

Table 138: Food Grade Carbon Dioxide Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Food Grade Carbon Dioxide Product Pictures

Figure 2: Solid State Carbon Dioxide Picture Scope

Figure 3: Liquid State Carbon Dioxide Picture Scope

Figure 4: Carbonated Beverage Picture Scope

Figure 5: Alcoholic Beverages Picture Scope

Figure 6: Food Freezing/Refrigeration Picture Scope

Figure 7: Others Picture Scope

Figure 8: Global Food Grade Carbon Dioxide Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 9: Global Food Grade Carbon Dioxide Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 10: Global Food Grade Carbon Dioxide Market Sales and Growth Rate Analysis (2020-2032) & (K Ton)

Figure 11: Global Food Grade Carbon Dioxide Market Price Trend Analysis (2020-2032) & (USD/Ton)

Figure 12: Global Food Grade Carbon Dioxide Capacity, Production and Utilization (2019-2030) & (K Ton)

Figure 13: Global Food Grade Carbon Dioxide Production by Region: 2023 VS 2024 VS 2030 (K Ton)

Figure 14: Global Food Grade Carbon Dioxide Production Market Share by Region in Percentage: 2024 Versus 2030

Figure 15: Global Food Grade Carbon Dioxide Production Market Share by Region (2019-2030)

Figure 16: Global Food Grade Carbon Dioxide Market Size by Region (2020-2032) & (US\$ Million)

Figure 17: Global Food Grade Carbon Dioxide Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 18: Global Food Grade Carbon Dioxide Sales Price by Region (2020-2032) & (K Ton)

Figure 19: North America Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 20: North America Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 21: North America Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 22:North America Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 23:North America Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 24:North America Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 25:US Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 26:Canada Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 27:Europe Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 28:Europe Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 29:Europe Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 30:Europe Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 31:Europe Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 32:Europe Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 33:Germany Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 34:France Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 35:United Kingdom Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 36:Italy Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 37:Spain Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 38:Benelux Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 39:China Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 40:China Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 41:China Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 42:China Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 43:China Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 44:China Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 45:APAC (excl. China) Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 46:APAC (excl. China) Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 47:APAC (excl. China) Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 48:APAC (excl. China) Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 49:APAC (excl. China) Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 50:APAC (excl. China) Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 51:Japan Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 52:South Korea Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 53:India Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 54:Australia Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 55:Southeast Asia Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 56:Latin America Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 57:Latin America Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 58:Latin America Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 59:Latin America Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 60:Latin America Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 61:Latin America Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 62:Mexico Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 63:Brazil Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 64:Middle East & Africa Food Grade Carbon Dioxide Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 65:Middle East & Africa Food Grade Carbon Dioxide Revenue Market Share by Players in 2024

Figure 66:Middle East & Africa Food Grade Carbon Dioxide Sales Market Share by Type (2020-2032)

Figure 67:Middle East & Africa Food Grade Carbon Dioxide Revenue Market Share by Type (2020-2032)

Figure 68: Middle East & Africa Food Grade Carbon Dioxide Sales Market Share by Application (2020-2032)

Figure 69: Middle East & Africa Food Grade Carbon Dioxide Revenue Market Share by Application (2020-2032)

Figure 70: Saudi Arabia Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 71: South Africa Food Grade Carbon Dioxide Revenue (2020-2032) & (US\$ Million)

Figure 72: Global Food Grade Carbon Dioxide Sales Market Share by Key Manufacturers in 2024

Figure 73: Global Food Grade Carbon Dioxide Revenue Market Share by Key Manufacturers in 2024

Figure 74: Global Food Grade Carbon Dioxide Industry Competition Landscape

Figure 75: Food Grade Carbon Dioxide Industry Chain Analysis

Figure 76: Bottom-Up and Top-Down Research Methods

Figure 77: Key Interview Objectives

Figure 78: Data Cross Validation

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