

Global Chromatography Grade Ethanol Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Chromatography Grade Ethanol market size is expected to reach \$ 284 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

Chromatographic grade ethanol refers to high-purity ethanol products specifically designed for high-performance liquid chromatography (HPLC), gas chromatography (GC), liquid chromatography-mass spectrometry (LC-MS), and sample pretreatment analysis. Produced through precision distillation, deep dehydration, ultrapure filtration, and strict impurity control processes, it exhibits extremely low levels of organic impurities, moisture, non-volatile residues, metal ions, and chromatographic background interference, ensuring the accuracy, sensitivity, and repeatability of analytical results.

The upstream of the industry chain mainly includes basic raw materials such as fermented ethanol and synthetic ethanol, as well as distillation equipment, molecular sieve dehydration systems, ultrapure filtration devices, high-cleanliness packaging materials, and analytical instruments. Industrial-grade anhydrous ethanol is the primary source of raw materials. The midstream involves the production and packaging of chromatographic-grade ethanol. Through multi-stage distillation, deep dehydration, removal of trace organic impurities, metal ion control, and clean filling processes, ordinary anhydrous ethanol is purified to a high-purity solvent product that meets the analytical requirements of GC, HPLC, UHPLC, and LC-MS. This stage is mainly dominated by international high-purity reagent companies such as Thermo Fisher, Merck, Honeywell, Avantor, and FUJIFILM Wako, as well as some domestic analytical reagent companies. The downstream is widely used in high-performance liquid chromatography (HPLC), liquid chromatography-mass spectrometry (LC-MS), and gas chromatography (GC) analytical systems, primarily serving pharmaceutical R&D and

quality control, food safety testing, environmental pollutant monitoring, biomedical research, third-party testing institutions, and university research laboratories.

In 2025, global sales of chromatographic grade ethanol will reach 13.3 million liters, with a production capacity of approximately 19 million liters, an average selling price of US\$15.7 per liter, and an average gross profit margin of 30%-40%.

As regulatory agencies such as the FDA, EMA, and ICH continuously raise the quality requirements for pharmaceutical analytical data, the demand for high-purity chromatographic solvents continues to grow. Simultaneously, the ongoing upgrades to food safety regulations and environmental monitoring standards in various countries are also driving laboratories to transition to higher-grade analytical solvents. In recent years, the concept of green analytical chemistry has developed rapidly. Due to its lower toxicity and better biodegradability, ethanol is gradually replacing traditional organic solvents such as methanol and acetonitrile in some application areas, becoming an important focus of the industry.

This report studies the global Chromatography Grade Ethanol production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Chromatography Grade Ethanol 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 Chromatography Grade Ethanol that contribute to its increasing demand across many markets.

Highlights and key features of the study

- Global Chromatography Grade Ethanol total production and demand, 2021-2032, (K L)
- Global Chromatography Grade Ethanol total production value, 2021-2032, (USD Million)
- Global Chromatography Grade Ethanol production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K L), (based on production site)
- Global Chromatography Grade Ethanol consumption by region & country, CAGR, 2021-2032 & (K L)
- U.S. VS China: Chromatography Grade Ethanol domestic production, consumption, key domestic manufacturers and share
- Global Chromatography Grade Ethanol production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K L)
- Global Chromatography Grade Ethanol production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K L)

Global Chromatography Grade Ethanol production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K L)

This report profiles key players in the global Chromatography Grade Ethanol 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 Thermo Fisher Scientific, Merck KGaA, Honeywell, Avantor, Shimadzu Corporation, Kanto Chemical, Fujifilm Wako, Tedia Company, Romil, Carlo Erba Reagents, 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 Chromatography Grade Ethanol market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K L) and average price (US\$/L) 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 Chromatography Grade Ethanol Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Chromatography Grade Ethanol Market, Segmentation by Type:

HPLC Grade

GC Grade

LC-MS Grade

Global Chromatography Grade Ethanol Market, Segmentation by Purity:

≥99.9%

Others

Global Chromatography Grade Ethanol Market, Segmentation by Chromatographic Applications:

Isocratic Grade

Gradient Grade

Global Chromatography Grade Ethanol Market, Segmentation by Application:

Environmental Monitoring

Food Safety

Pharmaceuticals

Scientific Research

Others

Companies Profiled:

Thermo Fisher Scientific

Merck KGaA

Honeywell

Avantor

Shimadzu Corporation

Kanto Chemical

Fujifilm Wako

Tedia Company

Romil

Carlo Erba Reagents

Scharlab

ITW

RCI Labscan

Spectrum Chemical

Concord

ANPEL

Macklin

J&K Scientific

Dikma

Yonghua Chemical

CINC

Xilong Scientific

Anhui Shilian

Yanrui Chemical

Energy Chemical

Key Questions Answered:

1. How big is the global Chromatography Grade Ethanol market?
2. What is the demand of the global Chromatography Grade Ethanol market?
3. What is the year over year growth of the global Chromatography Grade Ethanol market?
4. What is the production and production value of the global Chromatography Grade Ethanol market?
5. Who are the key producers in the global Chromatography Grade Ethanol market?
6. What are the growth factors driving the market demand?

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