

Global Chromatography Grade Ethanol Market Growth 2026-2032

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Abstracts

The global Chromatography Grade Ethanol market size is predicted to grow from US\$ 204 million in 2025 to US\$ 274 million in 2032; it is expected to grow at a CAGR of 4.4% from 2026 to 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.

LP Information, Inc. (LPI) ' newest research report, the "Chromatography Grade Ethanol Industry Forecast" looks at past sales and reviews total world Chromatography Grade Ethanol sales in 2025, providing a comprehensive analysis by region and market sector of projected Chromatography Grade Ethanol sales for 2026 through 2032. With Chromatography Grade Ethanol sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Chromatography Grade Ethanol industry.

This Insight Report provides a comprehensive analysis of the global Chromatography Grade Ethanol 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 Chromatography Grade Ethanol portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Chromatography Grade Ethanol market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Chromatography Grade Ethanol 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 Chromatography Grade

Ethanol.

This report presents a comprehensive overview, market shares, and growth opportunities of Chromatography Grade Ethanol market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

HPLC Grade

GC Grade

LC-MS Grade

Segmentation by Purity:

≥99.9%

Others

Segmentation by Chromatographic Applications:

Isocratic Grade

Gradient Grade

Segmentation by Application:

Environmental Monitoring

Food Safety

Pharmaceuticals

Scientific Research

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

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.

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 Addressed in this Report

What is the 10-year outlook for the global Chromatography Grade Ethanol market?

What factors are driving Chromatography Grade Ethanol market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Chromatography Grade Ethanol market opportunities vary by end market size?

How does Chromatography Grade Ethanol break out by Type, by Application?

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