

Global Chromatography Grade Ethanol Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Chromatography Grade Ethanol market size was valued at US\$ 215 million in 2025 and is forecast to a readjusted size of US\$ 284 million by 2032 with a CAGR of 4.1% during review period.

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 is a detailed and comprehensive analysis for global Chromatography Grade Ethanol market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Chromatography Grade Ethanol market size and forecasts, in consumption value (\$ Million), sales quantity (K L), and average selling prices (US\$/L), 2021-2032

Global Chromatography Grade Ethanol market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K L), and average selling prices (US\$/L), 2021-2032

Global Chromatography Grade Ethanol market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K L), and average selling prices (US\$/L), 2021-2032

Global Chromatography Grade Ethanol market shares of main players, shipments in revenue (\$ Million), sales quantity (K L), and ASP (US\$/L), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Chromatography Grade Ethanol

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Chromatography Grade Ethanol market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Chromatography Grade Ethanol market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

HPLC Grade

GC Grade

LC-MS Grade

Market segment by Purity

99.9%

Others

Market segment by Chromatographic Applications

Isocratic Grade

Gradient Grade

Market segment by Application

Environmental Monitoring

Food Safety

Pharmaceuticals

Scientific Research

Others

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Chromatography Grade Ethanol product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Chromatography Grade Ethanol, with price, sales quantity, revenue, and global market share of Chromatography Grade Ethanol from 2021 to 2026.

Chapter 3, the Chromatography Grade Ethanol competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Chromatography Grade Ethanol breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with

sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Chromatography Grade Ethanol market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Chromatography Grade Ethanol.

Chapter 14 and 15, to describe Chromatography Grade Ethanol sales channel, distributors, customers, research findings and conclusion.

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