

# **Global Acetonitrile Market Analysis: Plant Capacity, Production, Process, Operating Efficiency, Demand & Supply, End-Use, Grade, Foreign Trade, Sales Channel, Regional Demand, Company Share, 2015-2030**

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## **Abstracts**

The global Acetonitrile market stood at approximately 150 thousand tonnes in 2021 and is expected to grow at a steady CAGR of 3.79% during the forecast period until 2030. Usage of Acetonitrile as a solvent in the pharmaceutical items has grown enormously in the recent years.

Acetonitrile is a chemical compound with formula  $\text{CH}_3\text{CN}$ . It is colorless, flammable, and volatile chemical. It is the most basic organic nitrile which is toxic in nature. This chemical is compatible with the majority of organic solvents. It is produced as a byproduct of the production of acrylonitrile. Although, Ammoxidation process is the most commonly employed process for synthesizing Acetonitrile. Acetonitrile is employed as a polar aprotic solvent in the purification of butadiene. It is used to manufacture pesticides as well. Its applications include for manufacturing pharmaceuticals, plastics casting and molding, fragrance, vegetable and animal oil fatty acid extraction, and other industries.

The primary market driver of the global Acetonitrile market industry is the Pharmaceutical industry. The main end-use for acetonitrile is in the pharmaceutical industry, which employs it as a reagent, reaction solution, or extraction liquid. Cortisone, Vitamins A and B, carbonate medicines, and certain amino acids are synthesized using acetonitrile as a precursor. This industry to create a huge demand of Acetonitrile in the forecast period. Additionally, the high-performance liquid chromatography (HPLC) also is an active consumer of Acetonitrile wherein this chemical is employed as a mobile phase, contributing to the growing demand of Acetonitrile in the forecast period.

Furthermore, its application for purification of butadiene also adds to the market expansion. The global Acetonitrile market is anticipated to reach approximately 250 thousand tonnes by 2030.

Based on grade, the Acetonitrile market is segregated into Chemical grade/Reagent grade and HPLC grade. Among these, the first grade is leading the market with a consumption of nearly 70% of net market in 2021.

The region with the biggest demand for acetonitrile worldwide is Asia Pacific region. In 2021, this region held a market share of around 50% of the world's acetonitrile market. Due to rapid industrialization, the demand of drugs is anticipated to rise, resulting in market to expand by 2030. Europe stands as the second largest consumer of Acetonitrile. Furthermore, APAC is also projecting as the highest producer of Acetonitrile, with China as the top producer among other Asian Countries.

Based on the end-user industry, the Acetonitrile market is segmented into Pharmaceuticals, HPLC Solvents, Extraction (DNA & RNA synthesis), and Speciality chemicals (agro chemicals etc). Among these, Pharmaceuticals industry is leading segment and accounted around 70% of the share of total Acetonitrile demand in 2021. This industry is anticipated to maintain its position in the upcoming year owing to the growing demand of drugs in the forecast period. The usage of Acetonitrile in HPLC Solvents is also an impressive application.

Significant companies for Global Acetonitrile market are Ineos AG, Asahi Kasei Corporation, Jilin Petrochemical Company, Shanghai SECCO Petrochemical Company Limited, Nantong Acetic Acid Chemical Co., Ltd, Balaji Amines, AnQore, Jiangsu Sailboat Petrochemical Co., Ltd, Sinopec Anqing Company, Formosa Plastics Corporation, Shandong Shida Hongyi Chemical Co., Ltd, Zibo Jinma Chemical Factory, and Hebi Saike Chemical Co., Ltd..

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2030

### The objective of the Study:

To assess the demand-supply scenario of Acetonitrile, which covers the production, demand, and supply of Acetonitrile around the globe.

To analyze and forecast the market size of Acetonitrile.

To classify and forecast the Global Acetonitrile market based on end-use and regional distribution.

To examine global competitive developments such as new capacity expansions, mergers & acquisitions, etc., of the Acetonitrile market.

To extract data for the Global Acetonitrile market, primary research surveys were conducted with Acetonitrile manufacturers, suppliers, distributors, wholesalers, and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for the Global Acetonitrile market over the coming years.

ChemAnalyst calculated Acetonitrile demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical extraction and supply and demand of Acetonitrile across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

### Key Target Audience:

Acetonitrile manufacturers and other stakeholders

Organizations, forums and alliances related to Acetonitrile distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Acetonitrile manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years, thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

#### Report Scope:

In this report, Global Acetonitrile market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by Grade: Chemical grade/Reagent grade and HPLC grade.

Market, by End-use: Pharmaceuticals, HPLC Solvents, Extraction (DNA & RNA synthesis), and Speciality chemicals (agro chemicals etc).

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

#### Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

## Contents

### 1. CAPACITY BY COMPANY

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Acetonitrile.

### 2. CAPACITY BY LOCATION

To better understand the regional supply of Acetonitrile by analyzing its manufacturers' location-based capacity.

### 3. CAPACITY BY PROCESS

To evaluate the demand of various methods and their capacities while looking for the future growth of each process.

### 4. PRODUCTION BY COMPANY

Study the historical annual production of Acetonitrile by the leading players and forecast how it will grow in the coming years.

### 5. DEMAND BY GRADE

Learn about the various grades of Acetonitrile - Chemical grade/Reagent grade and HPLC grade, and their demands. It will allow you to choose which grade to concentrate on when designing your strategy.

### 6. DEMAND BY END- USE

Discover which end-user industry [Pharmaceuticals, HPLC Solvents, Extraction (DNA & RNA synthesis), and Speciality chemicals (agro chemicals etc)] are creating a market and the forecast for the growth of the Acetonitrile market.

### 7. DEMAND BY REGION

Analyzing the change in demand of Acetonitrile in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

## **8. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Acetonitrile. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

## **9. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Acetonitrile.

## **10. COMPANY SHARE**

Figure out what proportion of the market share of Acetonitrile is currently held by leading players across the globe.

## **11. COUNTRY-WISE EXPORT**

Get details about quantity of Acetonitrile exported by major countries.

## **12. COUNTRY-WISE IMPORT**

Get details about quantity of Acetonitrile imported by major countries.

## **13. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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