

# **Acetaldehyde Market Size, Share & Trends Analysis Report By Process (Oxidation Of Ethylene, Oxidation Of Ethanol, Dehydrogenation Of Ethanol), By Application (Food & Beverage, Chemicals), By Region And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Acetaldehyde Market Growth & Trends**

The global acetaldehyde market is estimated to reach USD 3.05 billion by 2030, registering a CAGR of 5.4% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market growth can be attributed to the rising demand for the chemical as an intermediate for producing various commodity chemical compounds owing to their usage in various industries, such as rubber, food & beverage, and others. Acetaldehyde ( $\text{CH}_3\text{CHO}$ ) is widely recognized as one of the most commonly used aldehydes in various industries and serves multiple industrial purposes including food and beverages, chemicals, resins, paints and coatings. It is synthesized commercially by oxidizing ethylene using the copper system, and it occurs naturally as well.

Its large-scale production is carried out globally to meet commercial demands. The production of  $\text{CH}_3\text{CHO}$  can utilize different raw materials, such as ethanol and ethylene, and the availability and cost of these feedstocks can impact the economics of production. Acetaldehyde is popularly known as the aldehyde of acetic acid. It is also known as acetic aldehyde, ethanal, and ethyl aldehyde. Moreover, it is primarily present in lesser amounts in some foods made through fermentation, such as soy products, canned vegetables, milk products, and non-alcoholic beverages. The demand for processed foods, alcoholic beverages, and other products are also impacting the

## CH<sub>3</sub>CHO market.

CH<sub>3</sub>CHO is used as a flavoring agent to enhance the taste and aroma of certain food products. It is often added to various beverages and confectionery items to impart a fruity, nutty, or green apple-like flavor. It can be used in alcoholic beverages like whiskey and brandy to contribute to their unique flavor profiles. Key players in the market are strengthening their position by focusing on broadening their product portfolios and investing in technological developments. Asia Pacific is expected to register significant CAGR over the coming years as the region is a major product producer and consumer, with China and India accounting for a majority share of more than 50% in the region.

## Acetaldehyde Market Report Highlights

The food & beverage segment led market, in terms of revenue and volume, due to the high product usage in various food products as a flavoring agent.

Pharmaceuticals & cosmetics segment is expected to grow significantly at CAGR of 5.8% over the forecast period.

Oxidation of Ethylene segment accounted for 75.48% of the revenue share in 2024. The oxidation of ethylene is one of the most widely adopted processes for acetaldehyde production due to its cost-effectiveness and high efficiency.

Oxidation of Ethanol segment is expected to grow significantly at CAGR of 5.2% over the forecast period.

Asia Pacific dominated the market and accounted for 60.0% of global revenue in 2024. The robust industrial and manufacturing landscape in Asia Pacific has made it a key consumer of acetaldehyde for various chemical applications.

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