

# **Acidity Regulators Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2019-2029 Segmented By Product Type (Citric Acid, Phosphoric Acid, Acetic Acid, Maleic Acid, Lactic Acid, Others), By Application (Beverages, Sauces, Condiments, And Dressings, Processed Food, Bakery, Confectionery, Others), By Region and Competition**

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## **Abstracts**

Global Acidity Regulators Market was valued at USD 7.34 billion in 2023 and is anticipated to project robust growth in the forecast period with a CAGR of 4.81% through 2029. The increasing demand for acidity regulators from the food and beverage industry is one of the major factors boosting the demand for acidity regulators market globally. The rising consumer preference for ready-to-drink beverages and processed foods has led to a significant increase in the application of acidity regulators in these products. Notably, citric acid and phosphoric acid dominate the acidity regulators market worldwide, particularly in alcoholic and non-alcoholic beverages.

Furthermore, the influx of modern technology has played a pivotal role in driving the demand for acidity regulators globally. Manufacturers are now able to explore innovative and pioneering methods for acid extraction, thanks to advancements in technology. However, it is worth noting that the use of acidity regulators does come with some drawbacks. Adverse effects on the human body, such as vomiting, nausea, and diarrhea, have been associated with the consumption of acidity regulators. Overconsumption of acids can also lead to tooth decay and various other complications. Moreover, the direct application of these acids on the skin can result in burning, redness, stinging, and other complications.

Nevertheless, the application of acidity regulators in various other products, such as skincare and cosmetics, presents a growth opportunity for the acidity regulators market. The demand for acidity regulators is gradually expanding to these products as well. In skincare and cosmetic items, acidity regulators are used to balance the pH levels of gels and lotions to match the pH level of the skin, ensuring optimal effectiveness and compatibility.

## Key Market Drivers

### Growing Demand of Acidity Regulators in Food & Beverage Industry

Acidity regulators, also known as pH control agents or acidulants, play a vital and multifaceted role in the food and beverage industry. These additives are used to carefully regulate the acidity or alkalinity levels in various foods and drinks, ensuring optimal flavor, texture, and overall quality. By performing this crucial function, acidity regulators not only enhance the sensory experience of consumers but also contribute to extending the shelf life of products and preventing undesirable microbial activity.

The demand for acidity regulators has witnessed a significant surge in recent years, primarily driven by the growing consumer preference for processed foods and beverages. These processed products heavily rely on acidity regulators for both preservation and flavor enhancement. Additionally, the exponential expansion of the global fast-food industry has further fueled the demand for acidity regulators, as these additives are essential for maintaining the desired taste and quality of fast-food offerings.

Moreover, the relentless pursuit of innovation within the food and beverage industry has significantly contributed to the increasing demand for acidity regulators. Manufacturers are continually exploring new avenues to enhance the taste, texture, and longevity of their products. Acidity regulators have emerged as an indispensable tool in this quest for excellence, leading to substantial investments and extensive research in this sector. For example, advancements in encapsulation technology have revolutionized the controlled release of acidity regulators, allowing for enhanced flavor profiles and extended product shelf life. These innovative breakthroughs are expected to drive further market growth and fuel the exploration of new applications for acidity regulators.

Furthermore, the rising health consciousness among consumers has emerged as another key factor driving the demand for acidity regulators. In today's health-conscious era, individuals are increasingly seeking food and beverage products that are low in

sugar, sodium, and fat. Acidity regulators offer an ideal solution to achieve these health objectives by enhancing the overall flavor without the need for adding extra calories or unhealthy ingredients. This unique characteristic makes acidity regulators highly desirable among health-conscious consumers, further propelling their demand in the market.

In conclusion, acidity regulators stand as indispensable allies in the dynamic landscape of the food and beverage industry. Their versatility and ability to enhance flavor, prolong shelf life, and meet the demands of health-conscious consumers make them an integral part of product development and innovation. The continuous advancements in encapsulation technology and the growing consumer preference for processed foods further reinforce the importance of acidity regulators in today's market. As the industry continues to evolve, acidity regulators are poised to play an increasingly pivotal role in shaping the future of food and beverage offerings.

### Surge in Technological Advancements

Technological advancements have revolutionized the acidity regulators market, profoundly influencing its shape and dynamics. For instance, the development of advanced encapsulation technologies has paved the way for the controlled release of acidity regulators, bringing about remarkable improvements in flavor profiles and extending the shelf life of products. As a result, the demand for acidity regulators has witnessed a significant surge.

Furthermore, technology has facilitated the transition towards natural food components, opening up exciting new avenues within the market. With recent advances in extraction and processing techniques, acidity regulators can now be sourced from natural ingredients, aligning with the ever-growing consumer preference for clean label products.

In addition, technology has played a pivotal role in expanding the accessibility and affordability of acidity regulators. Thanks to advanced manufacturing techniques, production costs have been substantially reduced, making acidity regulators more affordable for a wider range of consumers.

### Key Market Challenges

#### Volatility in Price of Raw Materials

Acidity regulators play a critical role in a wide range of industries, especially in the ever-growing food and beverage sector. These substances are vital for maintaining the desired acidity levels in various products, ensuring optimal taste, quality, and safety. However, the production of acidity regulators heavily relies on specific key raw materials, such as citric acid, lactic acid, glutaric acid, acetic acid, and others.

The prices of these essential raw materials are subject to fluctuations, which can significantly impact the overall cost of production. These price fluctuations can arise due to various factors, including economic downturns, changes in regulations, geopolitical concerns, and the global shift towards low carbon economies. These factors contribute to the volatility in raw material prices, posing challenges for manufacturers.

Furthermore, the complexities associated with large-scale production and the limited availability of feedstock in certain regions further add to the challenges faced by manufacturers of acidity regulators. These complexities can include the need to ensure consistent quality, maintain sustainable sourcing practices, and optimize production efficiency.

As manufacturers navigate through these challenges, they must find ways to mitigate the potential impact of raw material price fluctuations on their production costs and profit margins. This may involve exploring alternative sourcing strategies, investing in research and development to discover more cost-effective production methods, and fostering partnerships with suppliers to ensure a stable supply chain.

## Key Market Trends

### Rising Awareness of Health and Wellness

In recent years, there has been a significant shift in consumer behavior towards healthier lifestyles. This shift is driven by various factors, including increased disposable income, higher education levels, and greater access to information about health and wellness. With these resources at their fingertips, consumers are becoming more conscious of their dietary choices and are actively seeking products that contribute to their overall wellbeing.

This growing health consciousness has had a considerable impact on the acidity regulators market. Acidity regulators, also known as pH control agents or acidulants, play a vital role in maintaining the nutritional value, flavor, and shelf life of food and beverage products. As the demand for healthy processed foods continues to rise, the

use of acidity regulators has seen a significant increase. In particular, the beverage industry has embraced these additives to enhance the taste and safety of their products, making them more appealing to health-conscious consumers.

Furthermore, the rising awareness of health and wellness has fueled a shift towards organic and natural products. This trend is driving the growth of the organic acid market, which includes natural acidity regulators. Consumers are increasingly seeking clean label products, which are perceived as healthier and safer due to their natural ingredients. This preference for clean label products aligns with the overall shift towards a more holistic and sustainable approach to health.

## Segmental Insights

### Product Type Insights

Based on the category of product type, the citric acid segment emerged as the dominant player in the global market for acidity regulators in 2023. The increasing utilization of citric acid can be attributed to its growing applications across various industries, including food and beverages, pharmaceuticals, and others. This versatile compound is highly sought after for its pleasant taste, pH properties, and exceptional solubility.

Moreover, the remarkable sequestering abilities of citric acid further enhance its properties, making it suitable for a wide range of applications in sectors such as food and beverage, pharmaceuticals, and personal care. Its multifaceted nature and diverse benefits make citric acid an indispensable ingredient in many products, contributing to its widespread popularity and continued demand in the market.

### Application Insights

The beverages segment is projected to experience rapid growth during the forecast period. On one hand, the thriving non-alcoholic beverage industry is anticipated to significantly boost the demand for acidity regulators. As consumers increasingly opt for healthier beverage options, the need for effective acidity control becomes paramount. This presents a lucrative opportunity for the acidity regulators market to cater to the specific requirements of this growing sector.

On the other hand, the rising consumption of lactic acid in the manufacturing stage of various dairy products, such as yogurt, cheese, buttermilk, and others, plays a crucial

role in driving the market growth. Lactic acid is widely used for fermentation purposes in these dairy products, enhancing their flavor, texture, and overall quality.

Additionally, the expanding e-commerce sector and the continuous growth of the population, coupled with the ever-increasing demand for food, further contribute to the market's upward trajectory. The convenience and accessibility offered by e-commerce platforms have revolutionized the way consumers purchase food products, leading to increased demand for acidity regulators to ensure product quality and stability during transportation.

### Regional Insights

Asia Pacific emerged as the dominant player in the Global Acidity Regulators Market in 2023, holding the largest market share in terms of value. The growing disposable income, rise in population, and the robust growth of the food & beverage industry in China and India are key factors propelling the market growth in the APAC region. The increasing consumer purchasing power in these countries has led to a higher demand for various products, including personal care items.

Moreover, the evolving lifestyles and preferences of consumers have further fueled the demand for such products. Additionally, the presence of emerging economies like China and India across the APAC region has created significant opportunities for market expansion. These factors combined contribute to the overall growth and development of the market in the APAC region.

### Key Market Players

ATP Group Ltd

Celrich Products Pvt. Ltd.

Chemelco International B.V.

F.B.C Industries Inc.

Fuerst Day Lawson Ltd

Cargill Incorporated

Kerry Group PLC

Archer Daniels Midland Company

Jungbunzlauer India Pvt. Ltd.

Bertek Ingredient Incorporation

#### Report Scope:

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

#### Global Acidity Regulators Market, By Product Type:

- o Citric Acid
- o Phosphoric Acid
- o Acetic Acid
- o Maleic Acid
- o Lactic Acid
- o Others

#### Global Acidity Regulators Market, By Application:

- o Beverages
- o Sauces
- o Condiments and Dressings

- o Processed Food
- o Bakery
- o Confectionery
- o Others

#### Global Acidity Regulators Market, By Region:

- o North America
  - ? United States
  - ? Canada
  - ? Mexico
- o Europe
  - ? France
  - ? United Kingdom
  - ? Italy
  - ? Germany
  - ? Spain
- o Asia Pacific
  - ? China
  - ? India
  - ? Japan



? Australia

? South Korea

o South America

? Brazil

? Argentina

? Colombia

o Middle East & Africa

? South Africa

? Saudi Arabia

? UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Acidity Regulators Market.

Available Customizations:

Global Acidity Regulators Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. IMPACT OF COVID-19 ON GLOBAL ACIDITY REGULATORS MARKET**

### **5. GLOBAL ACIDITY REGULATORS MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Product Type (Citric Acid, Phosphoric Acid, Acetic Acid, Maleic Acid, Lactic Acid, Others)
  - 5.2.2. By Application (Beverages, Sauces, Condiments, And Dressings, Processed Food, Bakery, Confectionery, Others)

- 5.2.3. By Region
- 5.2.4. By Company (2023)
- 5.3. Market Map

## **6. ASIA PACIFIC ACIDITY REGULATORS MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Product Type
  - 6.2.2. By Application
  - 6.2.3. By Country
- 6.3. Asia Pacific: Country Analysis
  - 6.3.1. China Acidity Regulators Market Outlook
    - 6.3.1.1. Market Size & Forecast
      - 6.3.1.1.1. By Value
    - 6.3.1.2. Market Share & Forecast
      - 6.3.1.2.1. By Product Type
      - 6.3.1.2.2. By Application
  - 6.3.2. India Acidity Regulators Market Outlook
    - 6.3.2.1. Market Size & Forecast
      - 6.3.2.1.1. By Value
    - 6.3.2.2. Market Share & Forecast
      - 6.3.2.2.1. By Product Type
      - 6.3.2.2.2. By Application
  - 6.3.3. Australia Acidity Regulators Market Outlook
    - 6.3.3.1. Market Size & Forecast
      - 6.3.3.1.1. By Value
    - 6.3.3.2. Market Share & Forecast
      - 6.3.3.2.1. By Product Type
      - 6.3.3.2.2. By Application
  - 6.3.4. Japan Acidity Regulators Market Outlook
    - 6.3.4.1. Market Size & Forecast
      - 6.3.4.1.1. By Value
    - 6.3.4.2. Market Share & Forecast
      - 6.3.4.2.1. By Product Type
      - 6.3.4.2.2. By Application
  - 6.3.5. South Korea Acidity Regulators Market Outlook
    - 6.3.5.1. Market Size & Forecast

6.3.5.1.1. By Value

6.3.5.2. Market Share & Forecast

6.3.5.2.1. By Product Type

6.3.5.2.2. By Application

## **7. EUROPE ACIDITY REGULATORS MARKET OUTLOOK**

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Product Type

7.2.2. By Application

7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. France Acidity Regulators Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Product Type

7.3.1.2.2. By Application

7.3.2. Germany Acidity Regulators Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Product Type

7.3.2.2.2. By Application

7.3.3. Spain Acidity Regulators Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Product Type

7.3.3.2.2. By Application

7.3.4. Italy Acidity Regulators Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Product Type

7.3.4.2.2. By Application

7.3.5. United Kingdom Acidity Regulators Market Outlook

- 7.3.5.1. Market Size & Forecast
  - 7.3.5.1.1. By Value
- 7.3.5.2. Market Share & Forecast
  - 7.3.5.2.1. By Product Type
  - 7.3.5.2.2. By Application

## **8. NORTH AMERICA ACIDITY REGULATORS MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Product Type
  - 8.2.2. By Application
  - 8.2.3. By Country
- 8.3. North America: Country Analysis
  - 8.3.1. United States Acidity Regulators Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Product Type
      - 8.3.1.2.2. By Application
  - 8.3.2. Mexico Acidity Regulators Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Product Type
      - 8.3.2.2.2. By Application
  - 8.3.3. Canada Acidity Regulators Market Outlook
    - 8.3.3.1. Market Size & Forecast
      - 8.3.3.1.1. By Value
    - 8.3.3.2. Market Share & Forecast
      - 8.3.3.2.1. By Product Type
      - 8.3.3.2.2. By Application

## **9. SOUTH AMERICA ACIDITY REGULATORS MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast

- 9.2.1. By Product Type
- 9.2.2. By Application
- 9.2.3. By Country
- 9.3. South America: Country Analysis
  - 9.3.1. Brazil Acidity Regulators Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Product Type
      - 9.3.1.2.2. By Application
  - 9.3.2. Argentina Acidity Regulators Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Product Type
      - 9.3.2.2.2. By Application
  - 9.3.3. Colombia Acidity Regulators Market Outlook
    - 9.3.3.1. Market Size & Forecast
      - 9.3.3.1.1. By Value
    - 9.3.3.2. Market Share & Forecast
      - 9.3.3.2.1. By Product Type
      - 9.3.3.2.2. By Application

## **10. MIDDLE EAST AND AFRICA ACIDITY REGULATORS MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Product Type
  - 10.2.2. By Application
  - 10.2.3. By Country
- 10.3. MEA: Country Analysis
  - 10.3.1. South Africa Acidity Regulators Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Product Type
      - 10.3.1.2.2. By Application
  - 10.3.2. Saudi Arabia Acidity Regulators Market Outlook

- 10.3.2.1. Market Size & Forecast
  - 10.3.2.1.1. By Value
- 10.3.2.2. Market Share & Forecast
  - 10.3.2.2.1. By Product Type
  - 10.3.2.2.2. By Application
- 10.3.3. UAE Acidity Regulators Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Product Type
    - 10.3.3.2.2. By Application

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Recent Developments
- 12.2. Product Launches
- 12.3. Mergers & Acquisitions

## **13. GLOBAL ACIDITY REGULATORS MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Product

## **15. PESTLE ANALYSIS**

## **16. COMPETITIVE LANDSCAPE**

- 16.1. ATP Group Ltd
  - 16.1.1. Business Overview

- 16.1.2. Company Snapshot
- 16.1.3. Products & Services
- 16.1.4. Financials (As Reported)
- 16.1.5. Recent Developments
- 16.2. Celrich Products Pvt. Ltd.
- 16.3. Chemelco International B.V.
- 16.4. F.B.C Industries Inc.
- 16.5. Fuerst Day Lawson Ltd
- 16.6. Cargill Incorporated
- 16.7. Kerry Group PLC
- 16.8. Archer Daniels Midland Company
- 16.9. Jungbunzlauer India Pvt. Ltd.
- 16.10. Bertek Ingredient Incorporation

## **17. STRATEGIC RECOMMENDATIONS**

## **18. ABOUT US & DISCLAIMER**



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