

Monocalcium Phosphate Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Food & Beverages, Animal Feed, Fertilizers, Glass, Others), By Region and Competition, 2020-2030F

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Abstracts

Global Monocalcium Phosphate (MCP) Market was valued at USD 4361.99 Million in 2024 and is expected to reach USD 6343.52 Million by 2030 with a CAGR of 3.34% during the forecast period. The market is expanding steadily due to MCP's widespread use in the animal feed and food processing industries. As a highly bioavailable source of phosphorus and calcium, MCP plays a vital role in animal nutrition, supporting growth, reproduction, and bone development in livestock and poultry. The increasing global demand for meat and dairy, particularly in emerging markets, is boosting the livestock industry and consequently the need for effective feed additives. In the food sector, MCP functions as a leavening agent, emulsifier, and stabilizer in processed foods, especially in baked goods and convenience items. The growing consumer shift towards processed and ready-to-eat meals is further accelerating MCP adoption in food manufacturing. Leading market players are focusing on enhancing production capacity and product portfolios to meet rising demand across diverse applications.

Key Market Drivers

Growth in Food & Beverage Industry

The food and beverage industry's expansion is a major driver of the global Monocalcium

Phosphate (MCP) market. MCP is widely used as a leavening agent and texturizer in food products such as baked goods, snacks, and processed meals. With the food and drink market expected to generate USD 2.00 billion in 2022 and a significant share stemming from the United States, the rising consumption of convenience and packaged foods is directly contributing to increased MCP usage. Additionally, the projected USD 398.11 billion revenue in the Ready-to-Eat Meals segment by 2025 highlights a growing preference for time-saving food options. MCP enhances product shelf life, improves texture, and ensures consistent quality, making it a valuable ingredient in these foods. As consumer lifestyles become busier and dietary habits shift toward quick and accessible options, the demand for MCP in food processing is set to grow substantially.

Key Market Challenges

Volatility in Raw Material Prices

Raw material price volatility remains a critical challenge for the Monocalcium Phosphate (MCP) market. The cost of phosphate rock, calcium carbonate, and sulfuric acid—essential components in MCP production—is susceptible to fluctuations due to geopolitical issues, regulatory changes, and supply chain disruptions. Major phosphate producers like Morocco, China, and Russia exert considerable influence over global pricing, and any mining interruptions or policy shifts in these countries can lead to supply instability. Additionally, increased global demand for phosphate-based fertilizers further drives price variability. These uncertainties affect manufacturers' ability to manage production costs and pricing strategies, potentially limiting profitability and market competitiveness.

Key Market Trends

Rising Demand of Animal Feed

A notable trend shaping the global Monocalcium Phosphate (MCP) market is the increasing demand for animal feed enriched with high-digestibility phosphorus sources. Studies indicate that MCP offers higher digestibility than alternative feed phosphates, resulting in improved growth rates and overall health in livestock and poultry. It can lead to a 5–12% increase in live weight compared to other phosphate types. As global meat and dairy consumption continues to rise, particularly in developing economies, livestock producers are prioritizing feed efficiency and quality. MCP helps optimize animal nutrition, supporting better bone development, reproductive health, and

metabolic functions. The trend is also fueled by heightened awareness of animal health standards and the growing emphasis on sustainable livestock production practices.

Key Market Players

WENGFU GROUP CO. LTD.

MITUSHI BIOPHARMA

SBF Pharma

Advance Inorganics

ALCHEM BIOTECHNOLOGY CO., LTD

PROMOIS INTERNATIONAL LT

Katakura & Co-op Agri Corp

Toyoda Denka Kogyo Co., Ltd

Vasa Pharmachem Pvt. Ltd

Shandong Yurun Chemical Co., Ltd

Report Scope

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

Monocalcium Phosphate Market, By Sales Channel:

Direct

Indirect

Monocalcium Phosphate Market, By End Use:

Food & Beverages

Animal Feed

Fertilizers

Glass

Others

Monocalcium Phosphate Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Monocalcium Phosphate Market.

Available Customizations

Global Monocalcium Phosphate Market report with the given market data, TechSci 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).

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