

Global Tri Calcium Phosphate Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, End-User Industries, Sales Channel, Regional Demand, Foreign Trade, Company Share, 2015-2032

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Abstracts

The global Tri Calcium Phosphate market has expanded to reach approximately 190 thousand tonnes in 2021 and is expected to grow at an impressive CAGR of 4.83% during the forecast period until 2032. Hebei Yuwei Biotechnology Co. Ltd, situated in Shijiazhuang City, Hebei Province, China, is the largest plant of Tri Calcium Phosphate on an international level. In 2021, this plant accounted a production of about 27 thousand tonnes of Tri Calcium Phosphate.

Tri-Calcium Phosphate, also referred to as Tri-Basic Calcium Phosphate and bone phosphate of lime, is a white, crystalline powder. Tri-Calcium Phosphate is a phosphoric acid salt with chemical formula $\text{Ca}_3(\text{PO}_4)_2$. It is mostly used to increase the calcium content of food. It is used in a number of different sectors, including those that make toothpaste, baby powder, water purifiers, porcelain coatings, nutritional supplements, knee replacement materials, and food and beverage additives.

The primary driver of the Tri Calcium Phosphate market is the Food Additives sector. It works well as an acidity regulator in juices, emulsifier in dairy items, firming agent in gels, and anti-caking agents and flour-treatment agent. Tri-calcium phosphate works well as a nutritional supplement since the body can easily absorb it. With rising population, the demand of ready-to-eat food items and chewable nutrients is increasing to compel the nutritional deficiency, anticipated to propel the total demand for Tri Calcium Phosphate globally. The global Tri Calcium Phosphate market is anticipated to reach 320 thousand tonnes by 2032.

Based on product type, the global tri-calcium market can be bifurcated into capsules and powders. Tri-calcium phosphate is effective as a nutritional supplement, as it is readily absorbed in the body. Additionally, it is more effective than other calcium supplements, particularly those containing citrate and carbonate. Increase in demand for superior quality foods, high consumption of nutritional eatables, and rise in consumer awareness regarding health are expected to propel the global tri-calcium phosphate market during the forecast period.

The Asia Pacific region dominates the Tri Calcium Phosphate market in terms of consumption. As of 2021, this region held a market share of approximately 50%. In the upcoming years, Asia Pacific is anticipated to lead the tricalcium phosphate market due to the growing population, rising food consumption such as dairy products & ready-to-eat food items, and expanding agricultural activities in these regions. Additionally, Asia Pacific is also leading in terms of manufacturing Tri Calcium Phosphate, with China as the leading producer.

Based on the end-user industry, the global Tri Calcium Phosphate market is segregated into Food Additive, Pharmaceuticals, Agriculture, and Others end-use industries. Food Additive is dominating the Tri Calcium Phosphate market on the global level. In 2021, this industry accounted for approximately 40% of the global market. As a food additive, Tri Calcium Phosphate acts as an emulsifier in low-fat foods and beverages, including soymilk, creaminess and opacity. It works as an acidity regulator in beverages like yoghurts and fruit juices. The Pharmaceuticals industry is also one of the leading consumers of Tri Calcium Phosphate. Growing demand of Tri Calcium Phosphate in the food and beverage sector with swift urbanization across the globe is anticipated to swell up market.

Major players in the production of Global Tri Calcium Phosphate are Hebei Yuwei Biotechnology Co.Ltd., Zhucheng Haotian Pharm Co.Ltd., Hubei Lianxing Chemical Co.Ltd, Hubei Xingfa Chemicals Group Co.Ltd, and Others.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2032

Objective of the Study:

To assess the demand-supply scenario of Tri Calcium Phosphate which covers production, demand and supply of Tri Calcium Phosphate market in the globe.

To analyse and forecast the market size of Tri Calcium Phosphate

To classify and forecast Global Tri Calcium Phosphate market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Tri Calcium Phosphate market in the globe.

To extract data for Global Tri Calcium Phosphate market, primary research surveys were conducted with Tri Calcium Phosphate 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 Global Tri Calcium Phosphate market over the coming years.

ChemAnalyst calculated Tri Calcium Phosphate 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 Tri Calcium Phosphate 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:

Tri Calcium Phosphate manufacturers and other stakeholders

Organizations, forums and alliances related to Tri Calcium Phosphate 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 Tri Calcium Phosphate manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

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

Market, by End-use: Food Additive, Pharmaceuticals, Agriculture, and Others

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 Tri Calcium Phosphate.

2. CAPACITY BY LOCATION

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

3. PRODUCTION BY COMPANY

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

4. DEMAND BY END- USE

Discover which end-user industry (Food Additive, Pharmaceuticals, Agriculture, and Others) are creating a market and the forecast for the growth of the Tri Calcium Phosphate market.

5. DEMAND BY REGION

Analyzing the change in demand of Tri Calcium Phosphate 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.

6. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)

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

7. DEMAND-SUPPLY GAP

Determine the supply-demand gap to gain information about the trade surplus or

deficiency of Tri Calcium Phosphate.

8. COMPANY SHARE

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

9. COUNTRY-WISE EXPORT

Get details about quantity of Tri Calcium Phosphate exported by major countries.

10. COUNTRY-WISE IMPORT

Get details about quantity of Tri Calcium Phosphate imported by major countries.

11. 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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