

Modified Starch Market Size, Share, Forecast, & Trends Analysis by Product Type (Acetylated Distarch Adipate, Dextrin, Maltodextrin), Raw Material (Corn, Cassava), Production Method (Chemical), Function, Form, End-use Industry - Global Forecast to 2031

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Abstracts

Modified Starch Market Size, Share, Forecast, & Trends Analysis by Product Type (Acetylated Distarch Adipate, Dextrin, Maltodextrin), Raw Material (Corn, Cassava), Production Method (Chemical), Function, Form, End-use Industry—Global Forecast to 2031

According to the research report titled 'Modified Starch Market Size, Share, Forecast, & Trends Analysis by Product Type (Acetylated Distarch Adipate, Dextrin, Maltodextrin), Raw Material (Corn, Cassava), Production Method (Chemical), Function, Form, End-use Industry- Global Forecast to 2031,' the modified starch market is projected to reach \$17.98 billion by 2031, at a CAGR of 4.1% from 2024 to 2031. In terms of volume, the modified starch market is projected to reach 28,655,308 tons by 2031, at a CAGR of 2.9% during the forecast period of 2024–2031. The report provides an in-depth analysis of the modified starch market across five major geographies, current market trends & size, recent developments, and forecasts till 2031.

Succeeding extensive secondary and primary research and an in-depth analysis of the market scenario, the report conducts the impact analysis of the key industry drivers, restraints, opportunities, and challenges.

The growth of the modified starch market is driven by the growing demand for convenience & processed foods, the functional properties & widening food applications of modified starch, increasing investments in the starch market, the growing demand for

bio-based products, technological advancements in starch modification equipment, and the rapid growth of the bakery industry. However, the limited sources & high costs of natural additives and the high preference for gum arabic restrain the growth of this market.

Furthermore, the increasing demand for starch-based bioplastics and emerging economies in Latin America, Asia-Pacific, and the Middle East & Africa are expected to offer market growth opportunities. However, stringent regulatory processes for the approval of modified starch products and increasing raw material costs are major challenges impacting the growth of the modified starch market.

Key Players

The key players operating in the modified starch market are Cargill, Incorporated (U.S.), Ingredion Incorporated (U.S.), Archer-Daniels-Midland Company (U.S.), Roquette Frères (France), Tate & Lyle Plc (U.K.), AGRANA Beteiligungs-AG (Austria), Royal Avelbe (Netherlands), Emsland-Stärke GmbH (Germany), Grain Processing Corporation (U.S.), Global Bio-chem Technology Group Company Limited (China), Asia Fructose Co., Ltd. (Thailand), Angel Starch and Foods Pvt. Ltd. (India), SMS Corporation Co., Ltd. (Thailand), Royal Ingredients Group B.V. (Netherlands), and SPAC Starch Products Ltd. (India) Private Limited (India).

Based on product type, the modified starch market is segmented into acetylated distarch adipate, maltodextrin, hydroxypropyl distarch phosphate, pre-gelatinized starch, distarch phosphate, cationic starch, functional clean-label starch, acetylated starch, monostarch phosphate, hydroxypropyl starch, dextrin (dextrinized starch), acetylated distarch phosphate, octenyl succinic anhydride (OSA) starch, phosphated distarch phosphate, and other modified starches. The functional clean-label starch segment is projected to register the highest CAGR of 6.0% during the forecast period of 2024–2031. This growth can be attributed to the growing vegan population, increasing demand for natural, derived, or sustainable-sourced ingredients, rising applications in the food and beverage industry, increasing demand for functional food, growing use in cosmetics, and rising awareness regarding fitness among consumers.

Based on raw material, the modified starch market is segmented into corn, cassava, potato, wheat, and other raw materials. In 2024, the corn segment is expected to account for the largest share of 47.8% of the modified starch market. The large market share of this segment can be attributed to the increasing use of corn as a primary ingredient for producing modified starch, driven by its various benefits, such as

versatility, cost-effectiveness, widespread availability, and extensive application within the food & beverage industry.

Based on production method, the modified starch market is segmented into chemical modification, physical modification, and enzymatic modification. The enzymatic modification segment is projected to register the highest CAGR of 4.4% during the forecast period of 2024–2031. Enzymatic modification enhances the resistant starch content of starch, thereby expanding its application in sectors like food & beverage, animal nutrition, and pharmaceuticals. Moreover, enzymatic modification offers an efficient and cost-effective means of converting starch solid wastes, further contributing to its increased adoption.

Based on function, the modified starch market is segmented into thickener, binder, stabilizer, emulsifier, and other functions. In 2024, the thickener segment is expected to account for the largest share of 45.2% of the modified starch market. The large share of this segment can be attributed to the benefits offered by modified starch in the F&B sector, such as desired texture, consistency, moisture, transparency, and cost-effectiveness. The use of modified starch as a thickener provides formulators with greater flexibility, reliability, and efficiency in developing a wide range of food products with consistent quality and performance.

Based on form, the modified starch market is segmented into dry/powder and liquid. In 2024, the dry/powder segment is expected to account for the larger share of 64.5% of the modified starch market. The large market share of this segment can be attributed to the advantages offered by dried modified starches over their liquid counterparts, such as better homogeneity, ease of use & transportation, better stability, and availability in a wide range of grades to suit different applications. Moreover, the dry/powder segment is projected to register the highest CAGR of 4.2% during the forecast period of 2024–2031.

Based on end-use industry, the modified starch market is segmented into food & beverage, animal nutrition, textiles, cosmetics & personal care, pharmaceuticals, papermaking, and other end-use industries. The food & beverage segment is projected to register the highest CAGR of 4.5% during the forecast period of 2024–2031. This growth is primarily attributed to the increasing awareness of the advantages offered by modified starch, including extending the shelf life of food products, enhancing their sensory attributes, and delivering cost-effective solutions for food manufacturers.

An in-depth geographic analysis of the market provides detailed qualitative and

quantitative insights into the five major geographies (Asia-Pacific, Europe, North America, Latin America, and the Middle East & Africa) and the coverage of major countries in each region. Asia-Pacific is slated to register the highest CAGR of 5.0% during the forecast period of 2024–2031. The growth of this regional market can be attributed to the abundant availability of raw materials, the increasing investments in the food & beverage sector, and the rising demand for modified starch in major economies like China, India, Japan, and other Southeast Asian countries.

Key Questions Answered in the Report:

What is the current revenue generated from the modified starch market?

At what rate is the global demand for modified starch projected to grow for the next 5-7 years?

What is the historical market size and growth rate for the modified starch market?

What are the major factors impacting the growth of this market at global and regional levels?

What are the major opportunities for existing players and new entrants in the market?

Which product type, raw material, production method, function, form, and end-use industry segments are expected to create major traction for the manufacturers in this market?

What are the key geographical trends in this market? Which regions/countries are expected to offer significant growth opportunities for the manufacturers operating in the modified starch market?

Who are the major players in the modified starch market? What are their specific offerings in this market?

What recent developments have taken place in the modified starch market?
What are the impacts of these strategic developments on the market?

Scope of the Report:

Modified Starch Market Assessment—by Product Type

Acetylated Distarch Adipate

Maltodextrin

Hydroxypropyl Distarch Phosphate

Pre-Gelatinized Starch

Distarch Phosphate

Cationic Starch

Functional Clean-Label Starch

Acetylated Starch

Monostarch Phosphate

Hydroxypropyl Starch

Dextrin (Dextrinized Starch)

Acetylated Distarch Phosphate

Octenyl Succinic Anhydride (OSA)Starch

Phosphated Distarch Phosphate

Other Modified Starches

Modified Starch Market Assessment—by Raw Material

Corn

Cassava

Potato

Wheat

Other Raw Materials

Modified Starch Market Assessment—by Production Method

Chemical Modification

Physical Modification

Enzymatic Modification

Modified Starch Market Assessment—by Function

Thickener

Binder

Stabilizer

Emulsifier

Other Functions

Modified Starch Market Assessment—by Form

Dry/Powder

Liquid

Modified Starch Market Assessment—by End-use Industry

Food & Beverage

Processed Foods

Beverages

Papermaking

Pharmaceuticals

Animal Nutrition

Poultry

Ruminants

Swine

Other Animals

Textiles

Cosmetics & Personal Care

Other End-use Industries

Modified Starch Market Assessment—by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Argentina

Rest of Latin America

Middle East and Africa

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