

Vitamin B1 Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Pharmaceutical, Feed Additives, Food Additives, Dairy Products, Others), By Region and Competition, 2020-2030F

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Abstracts

Market Overview

The Global Vitamin B1 Market was valued at USD 301.68 million in 2024 and is projected to reach USD 447.60 million by 2030, growing at a CAGR of 4.81%. Vitamin B1, also known as thiamine, is a crucial water-soluble vitamin essential for carbohydrate metabolism and proper nervous system functioning. Its wide-ranging applications in human and animal health have established its importance across various sectors. In animal nutrition, Vitamin B1 is increasingly used in livestock and aquaculture feeds to support healthy development and metabolic performance. The growing global demand for meat, alongside heightened awareness of animal wellness, particularly in emerging economies such as those in Asia Pacific and North America, is expected to sustain the demand for vitamin-enriched feed. However, challenges such as raw material price volatility, regulatory compliance issues, and the circulation of counterfeit products may impact production efficiency and consumer confidence.

Key Market Drivers

Growth in Pharmaceutical Industry

The sustained expansion of the global pharmaceutical industry is a primary driver of the

Vitamin B1 (thiamine) market. With global pharmaceutical revenues reaching approximately USD 1.6 trillion in 2023, Vitamin B1's role in supporting nerve function, energy metabolism, and treating various deficiencies has become increasingly prominent. Its inclusion in multivitamin supplements, injectables, and therapeutic formulations is rising in response to growing incidences of vitamin deficiencies and chronic illnesses. A notable example is Lupin's 2023 launch of Thiamine Hydrochloride Injection USP, developed in partnership with Caplin Steriles Limited, following FDA approval. Vitamin B1 continues to be prescribed for conditions like beriberi and Wernicke-Korsakoff syndrome, particularly in at-risk populations such as those with diabetes or alcohol dependency, further strengthening its demand within pharmaceutical applications.

Key Market Challenges

High Cost of Thiamine Mononitrate

The elevated cost of thiamine mononitrate remains a critical hurdle for the Vitamin B1 market. As a stable and effective synthetic form of Vitamin B1, thiamine mononitrate is widely used in dietary supplements and fortified foods. However, its complex production process and the need for rigorous quality control drive up its manufacturing costs. Variations in raw material availability, reliance on chemical intermediates, and adherence to strict environmental and safety regulations contribute to its high pricing. These cost pressures pose challenges for market expansion, particularly in price-sensitive regions, and can limit broader adoption across food and pharmaceutical sectors.

Key Market Trends

Rising Demand of Vitamin B1 from the Animal Nutrition Segment

The animal nutrition sector is becoming a vital contributor to the growth of the global Vitamin B1 market. As nations like India experience population growth and higher income levels, the consumption of animal-based foods is expected to rise, thereby boosting the demand for nutrient-fortified animal feed. Vitamin B1 plays a pivotal role in maintaining energy metabolism and neurological health in animals, which in turn improves growth performance and disease resistance. Feed manufacturers and livestock producers are increasingly adding thiamine to their formulations to enhance productivity and reduce metabolic health issues, thereby supporting overall profitability and operational efficiency.

Key Market Players

HUAZHONG PHARMACEUTICAL CO., LTD.

Brother Enterprises Holding Co.

Jiangxi Tianxin Pharmaceutical Co., Ltd

dsm-firmenich

Medikonda Nutrients

Report Scope

In this report, the Global Vitamin B1 Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Vitamin B1 Market, By Sales Channel:

Direct

Indirect

Vitamin B1 Market, By End Use:

Pharmaceutical

Feed Additives

Food Additives

Dairy Products

Others

Vitamin B1 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 Vitamin B1 Market.

Available Customizations

Global Vitamin B1 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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