

D-Panthenol Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application

<https://marketpublishers.com/r/D6D8A6B4848DEN.html>

Date: February 2025

Pages: 78

Price: US\$ 3,200.00 (Single User License)

ID: D6D8A6B4848DEN

Abstracts

Overview of the D-Panthenol Market

The D-Panthenol market is poised for significant growth between 2025 and 2030, driven by increasing demand across various industries such as pharmaceuticals, cosmetics, and food & dietary supplements. D-Panthenol, a provitamin of B5, is widely recognized for its moisturizing, healing, and anti-inflammatory properties, making it a key ingredient in skincare, haircare, and pharmaceutical formulations. The global market is expected to grow at a CAGR of 5.8% during the forecast period, reaching a valuation of \$450 million by 2030.

Market Size and Growth

In 2025, the global D-Panthenol market is estimated to be valued at \$350 million. The market is projected to grow at a steady pace, with a CAGR of 5.8% from 2025 to 2030. This growth is attributed to the rising demand for personal care products, increasing awareness of skincare, and the expanding pharmaceutical industry. The Asia-Pacific region is expected to dominate the market, accounting for 40%-45% of the global market share, followed by North America and Europe.

Market Share & Trends Analysis

By Product Type

The D-Panthenol market is segmented into liquid and powder forms. The liquid form holds a larger market share, accounting for 60%-65% of the total market, due to its ease of incorporation into cosmetic and pharmaceutical formulations. The powder form is expected to witness faster growth, with a projected CAGR of 6.2%, driven by its use in dietary supplements and functional foods.

By Key Players

The market is highly competitive, with key players such as BASF, DSM, Kyowa Hakko Bio, and Hangzhou Xinfu/Yifan dominating the landscape. BASF holds the largest market share at 25%-30%, followed by DSM with 20%-25%. These companies are focusing on strategic partnerships, product innovation, and expanding their production capacities to strengthen their market position.

By Process

The production of D-Panthenol involves chemical synthesis and fermentation processes. The fermentation process is gaining traction due to its eco-friendly nature and higher yield, accounting for 55%-60% of the total production. The chemical synthesis process, though widely used, is expected to grow at a slower rate of 4.5% CAGR due to environmental concerns.

By Application

D-Panthenol finds extensive applications in the pharmaceutical, cosmetic, and food & dietary supplement industries. The cosmetic industry is the largest consumer, accounting for 50%-55% of the total market share, driven by the growing demand for anti-aging and moisturizing products. The pharmaceutical sector is expected to grow at a CAGR of 6.5%, while the food & dietary supplement segment is projected to grow at 5.5% CAGR.

By End-Use

The end-use segments include personal care, healthcare, and food industries. The personal care segment dominates the market, with a share of 60%-65%, due to the increasing demand for skincare and haircare products. The healthcare segment is expected to grow at a CAGR of 6.0%, driven by the rising prevalence of skin disorders and the need for effective treatment solutions.

By Region

The Asia-Pacific region is the largest market for D-Panthenol, accounting for 40%-45% of the global market share. The region's growth is fueled by the increasing disposable income, rising awareness of personal care, and the presence of key manufacturers. North America and Europe follow, with market shares of 25%-30% and 20%-25%, respectively. The Middle East & Africa and Latin America are expected to witness moderate growth, with CAGRs of 4.8% and 5.0%, respectively.

Market News on Policy and Companies

Recent developments in the D-Panthenol market include regulatory changes and

strategic initiatives by key players. In 2025, the European Union introduced stricter regulations on the use of synthetic ingredients in cosmetics, prompting companies to invest in sustainable and natural alternatives. BASF announced a \$50 million investment in expanding its D-Panthenol production facility in Germany, aiming to increase its capacity by 20% by 2026. DSM partnered with a leading cosmetic brand to develop a new line of D-Panthenol-based skincare products, expected to launch in 2025.

Segment Forecasts (2025-2030)

The D-Panthenol market is expected to witness robust growth across all segments. The cosmetic segment is projected to grow at a CAGR of 6.0%, driven by the increasing demand for anti-aging and moisturizing products. The pharmaceutical segment is expected to grow at a CAGR of 6.5%, fueled by the rising prevalence of skin disorders and the need for effective treatment solutions. The food & dietary supplement segment is projected to grow at a CAGR of 5.5%, driven by the growing awareness of health and wellness.

Conclusion

The D-Panthenol market is set for significant growth between 2025 and 2030, driven by increasing demand across various industries. Key players such as BASF, DSM, Kyowa Hakko Bio, and Hangzhou Xinfu/Yifan are leading the market with strategic initiatives and product innovations. The Asia-Pacific region is expected to dominate the market, while the cosmetic segment remains the largest consumer of D-Panthenol. With regulatory changes and increasing investments in sustainable production methods, the market is poised for a promising future.

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