

D-Allulose - A Global Market Overview

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Abstracts

D-allulose, also known as psicose, is a rare sugar gaining strong global traction due to its low-calorie content and negligible impact on blood glucose levels, making it highly suitable for diabetic-friendly and weight management applications. Between 2018 and 2025, the market transitioned from a niche ingredient to a commercially viable sugar alternative, supported by key regulatory milestones such as the U.S. Food and Drug Administration GRAS approval and its exclusion from 'added sugar' labeling in 2019, which significantly accelerated adoption in food and beverage formulations. In Asia, regulatory momentum has strengthened with approval from China's National Health Commission in 2025, while progress in India through the Food Safety and Standards Authority of India is expected to further support commercialization. Early expansion in North America and Asia-Pacific, along with contributions from key players such as Ingredion and Tate & Lyle, established a strong foundation for global market growth.

The global D-allulose market reached US\$92.4 million in 2025, and is projected to grow to 63.5 thousand metric tons and US\$274.5 million by 2032, registering a CAGR of 16.8% in value during 2025-2032. While the 2022-2025 period witnessed steady volume growth alongside a temporary decline in value due to price corrections and early-stage supply expansion, the market is entering a high-growth phase post-2025. This acceleration is driven by technological advancements in enzymatic conversion and microbial fermentation, improving yield efficiency and lowering production costs, along with aggressive capacity expansions, particularly in China.

Key growth drivers include rising demand for sugar reduction, clean-label ingredients, and functional sweeteners, coupled with increasing prevalence of diabetes and obesity. The market is heavily dominated by the Food & Beverages segment, while confectionery is emerging as a high-growth application area driven by innovation in sugar-free products. Regionally, North America remains an early leader; however, Asia-Pacific is set to become the largest and fastest-growing market, supported by regulatory

approvals, cost advantages, and expanding production capacity. Future growth is expected to accelerate further with broader regulatory acceptance across markets such as Europe and other untapped regions, positioning D-allulose as a key next-generation sweetener in the global alternative sweeteners industry.

D-Allulose Regional Market Analysis

North America dominates the global D-allulose market in volume terms, accounting for 74% share in 2025, declining from 77% in 2022, and is projected to reach 23.5 thousand metric tons by 2032, though its share significantly drops to 37%. This leadership is driven by early regulatory approvals and strong commercialization, particularly in the United States, enabling widespread adoption in food and beverage applications. The Asia-Pacific region is the fastest-growing, registering a remarkable CAGR of 37% during 2025-2032, increasing from XX thousand metric tons in 2025 to 38 thousand metric tons by 2032, overtaking North America to become the largest regional market with a 60% share. This rapid growth is fueled by expanding production capacities, especially in China, along with recent regulatory approvals and cost advantages. Future market expansion is expected to accelerate further with potential regulatory approvals in regions such as the European Union, the UK, Canada, and Brazil, which could unlock additional demand and reshape regional dynamics.

D-Allulose Market Analysis by End-use Application

The Food & Beverages segment dominates the global D-allulose market in both volume and value terms, accounting for 86.3% share in value (US\$79.8 million) in 2025, increasing from 83.1% (value) in 2022, and is projected to reach 54.7 thousand metric tons and US\$239.4 million by 2032, maintaining its leading position with over 86% share. This dominance is driven by strong demand for low-calorie beverages, bakery, and dairy products, supported by favorable regulatory treatment and increasing adoption by major food brands. The Confectionery segment is the fastest-growing across both metrics, registering a CAGR of 24.4% in value during 2025-2032, increasing to US\$17.2 million by 2032.

D-Allulose Market Report Scope

This global report on D-Allulose analyzes the market based on end-use application for the period 2022-2032 with projections from 2025 to 2032 in terms of volume in metric tons and value in US\$. In addition to providing profiles of major companies operating in the D-Allulose industry, the latest corporate, product, production capacity and industrial

developments have been covered to offer a clear panorama of D-Allulose industry.

Key Metrics

Historical Period: 2022-2025

Base Year: 2025

Forecast Period: 2025-2032

Units: Volume consumption in Metric Tons and Value market in US\$

Companies Mentioned: 20+

Global D-Allulose Market by Geographic Region

North America (The United States and Mexico)

Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)

Rest of World

Global D-Allulose Market by End-use Application

Confectionary

Food & Beverages

Personal Care

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Baolingbao Biology Co., Ltd

Beijing Refine Biology Co., Ltd.

Blue California

Cargill Inc.

COFCO Biotechnology

Daesang Corp.

Dong Xiao Biotechnology Co., Ltd.

Ingredion Incorporated

JJD Enterprise (AlluPure)

L&P Food Ingredient Co., Ltd.

Matsutani Chemical Industry Company, Ltd.

Samyang Corporation

Shandong Bailong Chuangyuan Bio-tech Co.,Ltd

Shandong Fukuan Bioengineering Co., Ltd.

Shandong Fuyang Biotechnology Co., Ltd.

Shandong Sanyuan Biotechnology Co., Ltd

Shandong Starlight So True Biological Technology Co., Ltd.

Sichuan Ingia Biosynthetic Co., Ltd.

Tate & Lyle Plc

Zhongda Hengyuan Biotechnology Co.,Ltd.

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