

Isomalto-oligosaccharide Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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Abstracts

The Global Isomalto-oligosaccharide Market, valued at USD 75.3 million in 2024, is anticipated to expand at a CAGR of 7.8% from 2025 to 2034. As consumers grow more health-conscious, they increasingly seek products that offer nutritional benefits. IMOs, known for being low-calorie sweeteners and prebiotic fibers, have gained popularity in this context. The rising prevalence of lifestyle-related health issues, including digestive problems and obesity, has fueled the demand for functional ingredients such as IMO. In addition, the shift towards healthier, functional foods in categories such as bakery, dairy, and dietary supplements is accelerating market growth. However, manufacturers must navigate complex regulatory requirements, including varying standards across different regions. Compliance with these regulations is essential, particularly when it comes to product labeling and health claims. Failure to meet these regulations could hinder the widespread use of IMO in the food industry and slow down market adoption.

In terms of form, the liquid segment of the IMO market accounted for over USD 41.2 million in revenue in 2024 and is projected to grow at a CAGR of 8.6%. The liquid form of isomalto-oligosaccharides offers versatility and convenience, which makes it a preferred choice for food and beverage manufacturers. The ease with which liquid IMOs can be incorporated into a range of products, such as syrups, beverages, and liquid nutritional supplements, drives its popularity. Additionally, liquid IMOs allow for better consistency in product formulations and more precise control over ingredient dosages, which is crucial for maintaining flavor and texture in end products.

The food and beverage sector is the largest application for isomalto-oligosaccharides, generating over USD 45.6 million in revenue in 2024. This segment is expected to grow at a CAGR of 8.6% by 2034. As consumers demand healthier options, food

manufacturers are increasingly turning to IMO as a low-calorie sweetener that can reduce sugar content without sacrificing taste. IMOs also offer prebiotic benefits, which contribute to gut health, making them a popular choice for health-conscious consumers. Their versatility allows them to be used in a wide variety of food products, including confectionery, dairy, and bakery items, as well as beverages.

Corn-based isomalto-oligosaccharides are expected to experience significant growth during the forecast period due to the widespread availability of corn and the established infrastructure for processing it. Corn-derived IMOs provide an economically viable option for manufacturers and are preferred for their neutral taste, which allows them to be easily integrated into various food and beverage applications.

Asia-Pacific, led by countries such as China and Japan, is the dominant region in the IMO market, both in terms of production and consumption. North America and Europe are also witnessing strong growth, driven by an increasing demand for clean-label products and health supplements. In particular, the Asia-Pacific region's long-standing tradition of using natural ingredients in food has played a key role in the widespread acceptance of IMOs across various food applications, from traditional sweets to modern beverages.

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