Business Review

Milk Fat Globule Membrane Current Market and Opportunities

GLOBAL – 2024 – 2029

INTRODUCTION

There is growing evidence that milk fat globule membrane (MFGM) can positively impact immune function, brain development, and metabolism and MFGM has been linked to positive cognitive impacts on depression, stress management, etc., as well as links to cholosterolemic effects, and vitamin binding. Standard infant formulas do not contain bovine MFGM due to the manufacturing processing involved, and instead use vegetable oils, which may help explain why formula-fed infants show different outcomes compared to those who are breastfed. Recently, there has been a push to develop formulas that more closely resemble breast milk by adding bovine MFGM. Studies suggest that formulas with added MFGM can improve infant growth, reduce infection risks, benefit the microbiome, and aid metabolism when compared to regular formulas or breastfeeding. There are several producers of MFGM in the market, and recently one of them, FrieslandCampina Ingredients, received approval in Thailand for its MFGM ingredient, Vivinal® MFGM. This approval, granted by Thailand's Food and Drug Administration (TFDA) after a comprehensive three-year evaluation, allows for the use of Vivinal® MFGM in infant milk formulas and other food products. This development highlights the growing interest in MFGM and its potential benefits. This study will provide an overview of the global supply and demand for MFGM, along with its diverse applications.

Giract, the leading food ingredients and technologies business research consultancy, is well established in the dairy ingredient market, having published several seminal studies. It also published the Whey Book and Milk Protein Book in alternating years. Given the rapidly growing interest in MFGM, Giract is undertaking this comprehensive market analysis and assessment.

OBJECTIVES

To identify supply, demand, forecasts, and trends for MFGM in each key country/region. This comprises the following sub-objectives:

- Identify current supply, demand (2024; t/kt; USD) for MFGM by source, type, application, and region
- Identify forecast demand (2029; t/kt) for MFGM by source, type, application and region
- Present producer profiles by region
- Indicate legislation on MFGM use by region
- Provide trade and availability (t/kt) by region
- Present indicative pricing
- Present end-user feedback on current use and intended use (2029) of MFGM, as well as current challenges experienced, current supply scenario, product specifications required, etc.

PRODUCTS Milk Fat Globule Membrane (MFGM): **By Source:** Bovine, Goat, others; **By Type:** Powder and Liquid

SECTORS Infant formula, Senior nutrition, Dairy products, Functional foods, Dietary supplements, Others

MARKETS North America (USA, Canada), Latin America, Europe (EU27, UK, NO, CH), Africa, Middle East (UAE, KSA), China, APAC (India, Indonesia, Malaysia, Philippines, Thailand) and ROW

TIMESCALE Current Supply and Demand: 2024; Forecast Demand: 2029

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