

press release

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Prebiotic supplements, reimagined: FrieslandCampina Ingredients feeds gut health supplement innovation with launch of high purity prebiotic

At over 90% pure GOS – Biotis™ GOS-OP High Purity is the highest purity prebiotic offered by FrieslandCampina Ingredients

8 June 2022 – [FrieslandCampina Ingredients](#), the global innovator in healthy and functional ingredients, has announced the expansion of its [Biotis™](#) portfolio with the addition of [Biotis™ GOS-OP High Purity](#). FrieslandCampina Ingredients specifically developed the high-quality prebiotic¹ to drive innovation in the growing gut health supplement market. With a galacto-oligosaccharide (GOS) content of over 90%, Biotis™ GOS-OP High Purity is the company's purest prebiotic ingredient.

With 2 in 3 consumers recognising that good gut health is key to achieving overall well-being,² demand for gut health supporting supplements is on the rise. Prebiotics are a dietary fibre that feed good bacteria in the gut and have been shown in research to influence the balance of the gut microbiota³ producing beneficial effects on gut health⁴ and mental well-being.⁵ However, efforts to formulate prebiotics into formats such as gummies, tablets and capsules have traditionally been hampered by technical limitations due to the volume of active ingredient needed, making smaller yet efficacious formulations a challenge.

¹ The scientific definition of a prebiotic is "A substrate that is selectively utilized by host microorganisms conferring a health benefit". Source: Gibson GR, et al. Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. *Nat Rev Gastroenterol Hepatol.* Aug;14

² Innova Top Ten Trends, 2022

*Gibson et al. 2017

³ Krumbeck et al., 2018; Johnstone et al., 2021; Ladirat et al., 2014; Walton et al., 2012; Schoemaker et al 2022

⁴ Johnstone et al., 2021; Teuri & Korpela, 1998; Wilson et al., 2009; Sairanen et al., 2007

⁵ Johnstone et al., 2021

To help brands overcome this challenge, FrieslandCampina Ingredients' Biotis™ GOS-OP High Purity uses a patent-pending process to deliver a higher concentration of available GOS, ensuring a typical galacto-oligosaccharide content of 94% – significantly higher than the typical range for other prebiotics currently available. Research has substantiated the efficacy of Biotis™ GOS-OP High Purity at doses as low as 2 grams,⁶ enabling brands to easily create effective supplements that meet consumer needs.

The process also results in a lower lactose content – less than 5% – supporting lower lactose formulations which are increasingly popular with health-conscious consumers. In addition, Biotis™ GOS-OP High Purity has a long-shelf life, is highly heat and acid stable with optimal bulk density and particle size, and provides a clean sensory profile, supporting formulation in a range of appealing and compact supplement formats. This was made possible due to FrieslandCampina Ingredients' extensive scientific expertise in the development of prebiotic ingredients. Biotis™ GOS-OP High Purity is the latest in the company's extensive prebiotic offering which are the most researched GOS in the world. Additionally, GOS has been shown to be more bifidogenic⁷ than existing prebiotics currently popular in supplement formulations. Biotis™ GOS-OP High Purity joins the existing Biotis™ GOS range for gut and brain health for adults, in addition to the company's infant nutrition solutions.

Speaking on the launch, **Sophie Zillinger Molenaar**, global marketing lead for Biotis™ at FrieslandCampina Ingredients, said, "Gut health has been high on the consumer agenda for some time. Globally, consumers are taking more proactive steps to improve their digestive health – including exercising more, changing their diet and using supplements. There's a significant opportunity for innovation in gut health products, and while some consumers are turning to prebiotic-enriched foods, many are seeking convenient and novel supplement formats. Supplements offer a way for people to easily improve their overall well-being in an efficient and personalised way – an ideal solution given that increasingly busy lifestyles can make it challenging to maintain a diet that supports specific digestive health needs."

⁶ FrieslandCampina Ingredients Consumer Concept Study, 2022

⁷ Stiverson et al., 2014; Rada et al., 2008; Rycroft et al., 2001; Watson et al., 2012; Bounhik et al 2004;

“The challenge for brands has been that, until now, the most desirable formats – like gummies, small powder sticks, capsules and tablets – have been notoriously difficult to formulate with prebiotics,” commented **Vicky Davies**, global marketing director for performance, active and medical nutrition at FrieslandCampina Ingredients. “This is because the required dose of the active ingredient is challenging to formulate in a small format. So, we set out to change that. Based on our extensive scientific expertise in prebiotics, Biotis™ GOS-OP High Purity delivers a high dose of GOS to a formulation, so brands can create effective and convenient supplement formats, with ease. We have a wide range of application concepts developed to help inspire innovation and help reimagine prebiotic supplements for today’s health conscious consumers, including gummies and tablets.”

To learn more about Biotis™ GOS-OP High Purity, [register for the webinar on 15 June](#) or visit the [Biotis™ website](#).

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For B2B professionals only.

Mentioned statements on nutrition or health effects should not be considered as accepted nutrition or health claims.

About FrieslandCampina Ingredients

FrieslandCampina Ingredients is powered by 2,400 passionate specialists who are focused on adding goodness to the foods, drinks and businesses that nourish the world, now and for generations to come. With its specialised, international market segments Early Life Nutrition, Active Nutrition, Performance Nutrition, Medical Nutrition and Pharma. FrieslandCampina Ingredients is leading in the food sector as an innovation partner in healthy and functional ingredients and solutions. FrieslandCampina Ingredients operates globally with regional sales offices in the Netherlands, the United States, Singapore, China and Brazil. It reported combined sales of €1.3 billion in 2020. For additional information, please visit: <https://www.frieslandcampinaingredients.com/>.

FrieslandCampina Ingredients is part of Royal FrieslandCampina N.V. Every day, the company provides millions of consumers throughout the world with dairy products containing valuable nutrients from milk. Its annual turnover amounted to €11.1 billion in 2020. FrieslandCampina has locations in 38 countries and employs about 24,000 people. Its head office is located in the Netherlands.