News Release

P259/18e
July 16, 2018

BASF advances capabilities in infant nutrition with launch of 2'-fucosyllactose

Ludwigshafen, Germany – July 16, 2018 – Newtrition®, BASF's human nutrition brand, will launch 2'-fucosyllactose (2'-FL), a human milk oligosaccharide (HMO) for the infant nutrition market by early 2019. HMOs are a unique group of carbohydrates naturally found in human breast milk with 2'-FL being the most abundant.

BASF has successfully mastered the complete in-house development of 2'-FL from strain to downstream processing using a specifically stable HMO fermentation strain designed for large-scale production. The German-based production provides the flexibility to enable high quality global roll-out that will consistently meet customer needs. BASF has received EU Novel Food approval for 2'-FL and is currently supporting regulatory clearance to facilitate access to other key markets.

Human milk is the gold standard for infant nutrition. When compared with infant formula, breastfeeding leads to favorable growth patterns, immune functions, cognitive development as well as positive long-term outcomes. For mothers who are unable to breastfeed, adding 2'-FL to infant milk formula is a substantial step in narrowing the functional gap between mother's milk and breast milk substitutes.

Research findings suggest that 2'-fucosyllactose supports the development of a healthy gut microbiome and immune system, may protect against allergic diseases, and plays a role in the development of normal brain functions and cognition. Based on the ability to quench mucosal inflammation, 2'-FL is a promising ingredient for

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digestive health.

“The development of HMOs is a breakthrough in the nutritional improvement of infant formulas. 2’-fucosyllactose will open up new opportunities to strengthen a child’s health beginning with infancy and even beyond that,” said François Scheffler, Senior Vice President, BASF Human Nutrition. “Newtrition is committed to being at the scientific forefront of advancing nutrition and this launch is just the first step in the development of Newtrition’s HMO portfolio for infant nutrition initially and also dietary supplements in the near future.”

Newtrition, one of the market leaders in the human nutrition industry, offers a broad portfolio of essential nutrients including vitamins, carotenoids and high concentrate omega-3 fatty acids.

About the BASF Nutrition & Health division

BASF Nutrition & Health provides a comprehensive product and service portfolio for the human and animal nutrition, pharmaceutical and flavor & fragrance industries. With innovative solutions and modern technologies, we help our customers improve their business efficiency and the sustainability of their products. Our human nutrition solutions include vitamins and carotenoids, plant sterols, emulsifiers and omega-3 fatty acids. Vitamins and carotenoids also form an important part of our animal nutrition portfolio, as do other feed additives such as trace elements, enzymes and organic acids. We provide the pharmaceutical industry with a broad range of excipients and selected large-volume active pharmaceutical ingredients such as ibuprofen and omega-3 fatty acids. Furthermore, we offer aroma ingredients such as citral, geraniol and L-menthol. BASF Nutrition & Health operates sites in Europe, North America, South America and in Asia-Pacific. For more information, go to www.basf.com.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The more than 115,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of €64.5 billion in 2017. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.