Kemin Announces Approval of Immune Support Ingredient, BetaVia™ Complete, as Novel Food in Thailand

Natural, algae-based ingredient now available for consumers in Thailand

DES MOINES, Iowa, U.S. (June 28, 2023) – Kemin Industries, a global ingredient manufacturer that strives to sustainably transform the quality of life every day for 80 percent of the world with its products and services, has received approval from the Thai Food and Drug administration (TFDA) of its beta-glucan ingredient for immune support, BetaVia[™] Complete, as a Novel Food in Thailand.

BetaVia Complete is derived from *Euglena gracilis*, Kemin's proprietary strain of algae known for its high level of beta-1,3-glucan and protein content, which also contains essential fatty acids. After a thorough review of BetaVia Complete's safety for human consumption, TFDA has allowed its use in food supplements as a source of beta-glucan at a dosage of 375 milligrams per day.

"We are incredibly proud that BetaVia Complete successfully passed TFDA's rigorous safety evaluation," said Masafumi Hashimoto, Director of Sales – APAC, Kemin Human Nutrition and Health. "This achievement is a testament to the unparalleled strength of the dossier Kemin Human Nutrition and Health submitted to TFDA. Our product delivers exceptional benefits to our customers and meets the highest safety standards, and we stand by its quality."

Kemin Human Nutrition and Health's BetaVia product line has been clinically tested to support the immune system while protecting against oxidative stress. ¹⁻¹¹ In addition to approval by TFDA, BetaVia has an established regulatory status on a global basis, including GRAS in the United States and Novel Food in the European Union. All BetaVia products are kosher, halal, vegetarian, gluten-free, allergen-free and GMO-free, and they meet consumer demand for natural, science-based, functional ingredients.

BetaVia can be complemented with other immune-support ingredients for a competitive advantage and differentiation in the market. In addition to naturally supporting immune health, BetaVia helps train the body's natural defenses, supports respiratory tract health and protects intestinal barrier integrity.

"TFDA's approval of BetaVia Complete is a significant achievement for Kemin Human Nutrition and Health in Asia, and it underscores Thailand's commitment to promoting healthy eating habits," said Xuemei Zhang, Senior Manager – Regulatory Affairs and Technical Services, Kemin Human Nutrition and Health. "Euglena gracilis has already gained popularity in the U.S. and Europe as a natural enhancer of immunity and gut health, making it an excellent option for health-conscious consumers in Thailand seeking innovative ways to improve their well-being."

Click here for more information on formulating with BetaVia for better immune and gut support.

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About Kemin Industries

Kemin Industries (www.kemin.com) is a global ingredient manufacturer that strives to sustainably transform the quality of life every day for 80 percent of the world with its products and services. The company supplies over 500 specialty ingredients for human and animal health and nutrition, pet food, aquaculture, nutraceutical, food technologies, crop technologies, textile, biofuel and animal vaccine industries.

For over half a century, Kemin has been dedicated to using applied science to address industry challenges and offer product solutions to customers in more than 120 countries. Kemin provides ingredients to feed a growing population with its commitment to the quality, safety and efficacy of food, feed and health-related products.

Established in 1961, Kemin is a privately held, family-owned-and-operated company with more than 3,000 global employees and operations in 90 countries, including manufacturing facilities in Belgium, Brazil, China, Egypt, India, Italy, San Marino, Singapore, South Africa and the United States.

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REFERENCES:

¹ Kemin, BetaVia Complete can prime key cells in the innate immune system. KHTL-017-150.

https://news.kemin.com/press-releases?item=122660

² Kemin, Beta 1,3 Glucan Derived from Euglena gracilis Improves Antioxidant Status and Metabolic Health, KHTL-017-160.

³ Kemin, BetaVia™ Complete supports a healthy gut by protecting intestinal barrier function after induced colitis in mice. KHTL-017-159.

⁴ Kemin, Characteristics and prebiotic like properties of BetaVia Complete. KHTL-017-149.

⁵ Russo, R., et al. "Euglena gracilis paramylon activates human lymphocytes by upregulating pro -inflammatory factors." Food Science & Nutrition 5.2 (2017): 205-214.

⁶ Kondo, Y., et al. "Cytokine-related immunopotentiating activities of Paramylon, a β-(1→ 3)-D-glucan from Euglena gracilis." Journal of Pharmacobio-dynamics 15.11 (1992): 617-621.

⁷ Kankkunen, P., et al. "(1, 3)-β-Glucans activate both dectin-1 and NLRP3 inflammasome in human macrophages." The Journal of Immunology 184.11 (2010): 6335-6342.

⁸ Brown, G.D., and Siamon G. Immune recognition: A new receptor for [beta]-glucans." Nature 413.6851 (2001): 36.

⁹ Brown, G.D., et al. "Dectin-1 is a major β-glucan receptor on macrophages. Journal of Experimental Medicine 196.3 (2002): 407-412.

¹⁰ Brown, G.D., et al. Dectin-1 mediates the biological effects of β-glucans." Journal of Experimental Medicine 197.9 (2003): 1119-1124.

¹¹ Goodridge, H.S. et al. "β-glucan recognition by the innate immune system. Immunological reviews 230.1 (2009): 38-50.