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**PRESS RELEASE**

## **New CGMP ingredient has even lower phenylalanine content**

Arla Foods Ingredients has launched a new CGMP (casein glycomacropeptide) ingredient with significantly reduced levels of phenylalanine. Lacprodan® CGMP-30 is a unique way to address dietary challenges associated with phenylketonuria (PKU).

PKU is a metabolic disorder affecting around one in 24,000 newborns globally.<sup>1</sup> It impairs the body's ability to metabolise phenylalanine, an amino acid naturally abundant in dietary proteins. Without management, PKU causes phenylalanine to accumulate in the blood and brain, which can lead to severe intellectual disability, epilepsy and behavioural problems.

Traditionally, the standard treatment for PKU was a lifelong low-protein diet combined with life-necessary protein substitutes. Adherence to such dietary regimens is challenging, and issues around taste, palatability, and gastrointestinal discomfort are common.

An alternative emerged when Arla Foods Ingredients introduced Lacprodan® CGMP-20 – a highly purified CGMP with very low levels of phenylalanine. Clinical research shows that the partial replacement of free amino acids with Lacprodan® CGMP-20 in a protein substitute can provide important benefits compared to one based entirely on free amino acids. These include statistically significant improvements in gastrointestinal symptoms,<sup>2</sup> and superior taste and palatability.<sup>3</sup>

Now Arla Foods Ingredients has gone a major step further with the launch of Lacprodan® CGMP-30. In addition to offering the same benefits as Lacprodan® CGMP-20, it contains around 50% less phenylalanine, making it particularly suitable for the most phenylalanine-sensitive patients.

Mads Dyrvig, Head of Sales Development, Specialised Nutrition, at Arla Foods Ingredients, said: "For many years, Lacprodan® CGMP-20 has been helping patients with PKU, supporting compliance with their dietary regimens to help improve their quality of life. Our new Lacprodan® CGMP-30 represents a major advance because it offers even lower phenylalanine content. As such, we anticipate that it will be a unique new solution for blood phenylalanine control, as well as improved gastrointestinal comfort, in the most phenylalanine-sensitive PKU

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<sup>1</sup> Hillert, A., et al., *The Genetic Landscape and Epidemiology of Phenylketonuria*. Am J Hum Genet, 2020. **107**(2): p. 234-250

<sup>2</sup> Pinto, A., et al., *The effects of casein glycomacropeptide on general health status in children with PKU: A randomized crossover trial*. Molecular Genetics and Metabolism, 2024: p. 108607

<sup>3</sup> van Wegberg, A.M.J., et al., *European guidelines on diagnosis and treatment of phenylketonuria: First revision*. Molecular Genetics and Metabolism, 2025. **145**(2): p. 109125

patients. Its taste and palatability are also superior to solutions based on free amino acids, offering further benefits for quality of life.”

Lacprodan® CGMP-30 and Lacprodan® CGMP-20 are both safe and suitable protein sources for PKU management and can be included in protein substitutes used for patients from the age of four according to European guidelines.<sup>3</sup> Both are also rich in large neutral amino acids (LNAAs) such as threonine and isoleucine. LNAAs compete with phenylalanine at the blood-brain barrier, which helps to reduce its transport into the brain and thereby alleviate phenylalanine accumulation in the brain.

Lacprodan® CGMP ingredients are ideal for use in a wide range of medical nutrition applications, including UHT drinks and powders. In addition to PKU, their naturally low tyrosine content makes them suitable protein sources for patients with other rare genetic amino acid disorders, such as tyrosinemia and alkaptonuria.

**For more information contact:**

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**About Arla Foods Ingredients**

Arla Foods Ingredients is a global leader in improving premium nutrition. Together with our customers, research partners, suppliers, NGOs and others, we discover and deliver documented ingredients and products that can advance lifelong nutrition for the benefit of consumers around the world.

We serve leading global brands in early life nutrition, medical nutrition, sports nutrition, health foods, and other foods and beverages.

Five reasons to choose us:

- We're passionate about improving nutrition
- We innovate by connecting the best
- We master both discovery and delivery
- We build strong, long-lasting partnerships
- We are committed to sustainability

Headquartered in Denmark, Arla Foods Ingredients is a 100% owned subsidiary of Arla Foods.

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