

The power of whey

Safe, high quality
and nutritious





Why whey?

A recognised **source** of **natural nutrition**

Several decades have passed since we stopped talking about whey as a waste product of cheese production. Today, whey is recognised as a source of valuable nutrients, rich in protein, minerals and lactose. Research has shown that whey contains many of the components inherent in human breast milk, albeit in different quantities.

This makes whey an obvious choice for the production of more nutritious food solutions. In infant nutrition, for example, whey is of particular interest. More recently, it has been applied in ready-to-use supplementary foods for treating moderate malnutrition. Due to its content of essential amino acids, whey has a very high quality compared to other protein sources – as reflected in its PDCAAS rating (Protein Digestibility Corrected Amino Acid Score).

Clinical studies indicate that whey ingredients contribute to gastrointestinal health, immune health, cognitive development and performance, and allergy treatment and prevention.

Best for **safety** and **quality**

Strict infant nutrition **standards**
are our **benchmark**

Of course food must always be safe to eat. But, when producing nutritional products for infants and young children with an under-developed or compromised immune system, high standards of safety and quality become even more crucial.

At Arla Foods Ingredients, we measure the quality of our whey-based ingredients against the strict international standards for infant formula – the toughest safety and quality requirements in the food industry. Our goal is that more than 95% of our whey proteins and 99% of our lactose should reach this standard.

Ongoing investments in our processing facilities ensure the high microbiological standard of our ingredients while preserving the natural goodness inherent in our whey raw material. Control analyses, continuous risk assessment and protocols for crisis management are mandatory throughout the value chain. Our experts share specialist knowledge to promote the development of safe, nutritious and appealing foods.



Supplements for ready-to-use foods

Can whey ingredients **support** the effort **against** undernutrition?

Today, the World Health Organisation (WHO) specifically recommends supplementation with proteins from an animal source, such as whey. Studies have shown these proteins to be a superior source of the essential amino acids that recovering children need.

At Arla Foods Ingredients, we support the WHO call for more research into the efficacy of supplementary foods by contributing whey ingredients and expertise to several research projects.

These include:

- Preliminary study to determine the taste acceptability and physical tolerance of whey-containing RUSF compared to an existing formulation with soya
- Study of malnourished piglet model to determine the effect of dietary supplementation with whey permeate during refeeding
- Study of the beneficial effect of a milk fat globule membrane (MFGM)-enriched protein fraction on infant diarrhoea

For more information about these studies, contact: ingredients@arlafoods.com.





Quality starts here

Arla Foods Ingredients is a global leader in natural whey ingredients for nutritious food products. Our trademark is the quality we deliver in every aspect of our customer relations.



Arla Foods Ingredients Group P/S

Sønderhøj 10-12
8260 Viby J
Denmark

Office +45 89 38 10 00

www.arlafoodsingredients.com

