



Medical Nutrition

The Co-Development Company

AAK



Use our strong lipid knowledge to build from

With the many challenges DRM presents, you need a partner that understands both your business and the role of essential oils & lipids in medical nutrition. In AAK you have a partner equipped to tailor solutions that perfectly support your products in meeting their medical nutrition goals, and in helping patients recover and remain healthy.

AAK has over 140 years of experience within oils & fats, and half a century of that time in the medical nutrition segment. Our expertise and advanced capabilities ensure you can trust us for the value-adding solutions and insights you need to create lasting success.

AAK's range showcases a strong portfolio for the medical nutrition industry. With product safety and

quality assurance always paramount, our range comprises essential and speciality oils that are complemented with functional excipients and tailored to work for you in oral nutritional supplements, as well as enteral or parenteral nutrition.

We are c-GMP (current Good Manufacturing Practices) compliant and our aim is to exceed the requirements of current legislation. At the same time, we continuously develop our skills and knowledge in lipid technology.

As your trusted partner, and through our lipid technology expertise, you will enjoy the opportunity to create products for a wide range of applications within the medical industry to help people all over the world overcome significant challenges.

Unlocking the potential of medical nutrition

Demand for nutritional supplementation to treat and prevent Disease Related Malnutrition (DRM) is a global topic gaining increasing attention. In Europe alone, DRM affects 33 million people. The main reasons for this focus includes:

- Aging populations
- Increase in chronic and lifestyle-related diseases
- A growing shift to help patients stay at home and reduce length of stay in hospital

Developing products that deliver optimal nutritional benefits with few pro-inflammatory or even anti-inflammatory attributes is pivotal to meeting these challenges to help health care professionals save more lives, reduce complications and speed up recovery. However, the process is not without some challenges. Ingredients and products must undergo extensive clinical testing to demonstrate they meet safety and quality standards.

For a better quality of life

Research from Medical Nutrition International Industry has revealed that among other nutritional options, use of Oral Nutritional Supplements (ONS) in hospitals can prevent one in three deaths, one in three complications, and enable patients to leave hospital two days sooner. Use of ONS outside the hospital setting and in the community, helps people stay healthy, saves one in six hospitalizations, and results in a better quality of life.

To release the many benefits of medical nutrition products, companies need a trustworthy partner who has excellent technological capabilities and extensive experience in supplying approved and proven lipids.

AAK milestones in medical applications

1960s

Swedish scientists (i.e. Prof. Arvid Wretling, the pioneer of parenteral nutrition) stabilized essential oil emulsion for intravenous delivery in patients



1970s

AAK Sweden provided soya oil for commercial medical applications



1980s

New lipid technology and new products co-developed at AAK Sweden

1990s

GMP approved structured triglycerides (Article 47, Directive 2001/83/EC)

2000s

FDA (US) GMP approval for API, AAK Sweden at Karlshamn site



Today and going forward

AAK is on a strategic mission to help the global population by providing safe essential lipids through co-development with its partners





Sharing expertise to achieve the best in lipid technology

AAK understands your business. We know how important it is to have a partner that can collaborate across the value chain. From idea generation to launch, our proven expertise and knowledge can help you seize new opportunities and overcome market challenges.

We are dedicated to co-development within oil, fats and special lipids and this is what differentiates us in the market today. We can support you throughout your projects, acting as a sounding board or as a full development partner.

AAK's knowledge extends beyond lipids to cover processes, regulations and more. Through our global customer reach and cooperation with research institutes and governmental authorities, it continues to grow. As your partner, we utilize all our expertise so no matter how big or small your challenges are, we're ready to solve them together with you.



AAK ACADEMY™

For more than 140 years, we have worked closely with customers around the world and across industries to share knowledge and create innovative solutions. This led us to create the AAK ACADEMY™, which takes a holistic approach towards securing ideation, development and production success. Courses can either be customized and hosted at your facilities or you can also attend seminars at AAK. Topics covered include AAK solutions, applications and insights on market dynamics.



Creating value together every step of the way



Ideate

Bringing ideas to life

- Our ability to handle just about any request stems from almost half a century of service to the medical industry, which enables us to meet your needs where your project benefits from it the most
- As an AAK customer, you belong to a strong global network. Our AAK ACADEMY™ offers advanced training in lipid technology, including bespoke courses



Create

Lipid Technology

- Optimal medical nutrition solutions require precision and technological know-how. Using our range of safe raw material sourced from nature, we can tailor our skills to fit your exact needs
- Our extensive capabilities enable us to process crude oils and fats into ingredients for special medical purposes and c-GMP quality-controlled products



Prove

AAK ensures complete peace of mind

- AAK ensures consistency and high quality by continuous monitoring of adherence to your specifications
- All AAK production units worldwide are certified according to international standards and fulfill at minimum current food legislation
- AAK Sweden is an EMA and FDA audited c-GMP manufacturer of active pharmaceutical ingredients for parenteral applications



Implement

The benefits of a worldwide supply

- As an international organization AAK can offer you global supply and assist with customized delivery formats to increase the flexibility of your supply chain
- With AAK you can experience supply benefits with simplified planning and reduced storage costs
- Our wide range of blends and single oils are always supplied freshly produced



Launch

Your global partner with local expertise

- AAK blends and lipid technology help you deliver unique, high-quality products. With a deep understanding of the market, drivers and needs, AAK can support and guide you all the way from ideation to product launch
- Thanks to our global reach, we are always close to your markets and consumers



Supporting recovery at each stage

AAK's product portfolio for medical nutrition builds on specialities for enteral and parenteral nutrition – all ready to be formulated to help patients get back on their feet and increase their quality of life.

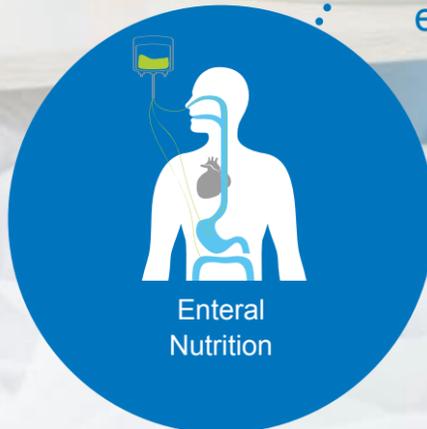
Depending on the stage, we can assist with products to suit a variety of end-applications such as high nutritional supplementary powders, drinks or snacks, tube feeds, intravenous nutritionals and injectable pharmaceuticals. Our range encompasses purified single oils through to speciality lipids and structured triglycerides.

Akomed™ is our foundation

- **Parenteral Nutrition – Active Pharmaceutical Ingredients (API)**
Serving the parenteral nutrition segment requires precision and expertise. At AAK, we offer c-GMP approved single oils used as active pharmaceutical ingredients, as well as customized structured triglycerides.
- **Enteral Nutrition – Customized blends/single oils/organics**
AAK has served enteral nutrition customers for decades with customized blends of high-purity vegetable oils. Our range also features an approved organic line, currently supplied to all regions of the world, including Europe, the US and China.
- **ONS (Oral Nutritional Supplement) – Functional Ingredients and Excipients**
For oral supplementation, we can offer you preventive phytosterols, inflammatory reducing omega 3s and speciality phospholipids (i.e. choline).



A solution for every application



Dedicated to delivering consistent high quality & sustainability

Ensuring a consistently high quality

Fulfilling your expectations and those of regulating authorities is critical.

- We do the work for you by optimizing and safeguarding quality
- We manage the supply chain and harmonize variations in nature's raw materials
- Our purity standards are always compliant with, or even exceed, legal requirements
- Our quality assurance is verified by regulating authorities and third-party auditors
- We ensure a consistently high quality, with safety for patients and consumers a top priority

Sustainability & responsible growth

To ensure a sustainable business footprint, we have developed a model based on the UN Global Compact principles. This allows us to drive progress within our CSR activities and focus efforts within five key areas. We continuously achieve objectives within each area by setting and reaching internal and external performance benchmarks, and sharing best-practice principles within our highly engaged global organization.

Our five key areas



Marketplace



Supply chain



Environment



Workplace



Community

In connection with our five key areas, we support and are fully engaged in the Roundtable on Sustainable Palm Oil (RSPO). We also continue to engage with GreenPalm to support independent smallholders producing certified sustainable palm oil.

To learn more about our commitments, initiatives and achievements, please refer to the complete AAK Sustainability Report on our website.





We are AAK

AAK is a leading provider of value-adding vegetable oils & fats.

Our expertise in lipid technology within foods and special nutrition applications, our wide range of raw materials and our broad process capabilities enable us to develop innovative and value-adding solutions across many industries – Chocolate & Confectionery, Bakery, Dairy, Special Nutrition, Foodservice, Personal Care, and more.

AAK's proven expertise is based on more than 140 years of experience within oils & fats.

Our unique co-development approach brings our customers' skills and know-how together with our own capabilities and mindset for lasting results.

Listed on the NASDAQ OMX Stockholm and with our headquarters in Malmö, Sweden, AAK has 20 different production facilities, sales offices in more than 25 countries and nearly 3,000 employees.

We are AAK – The Co-Development Company

