zooca®
Calanus® Oil
Softgels

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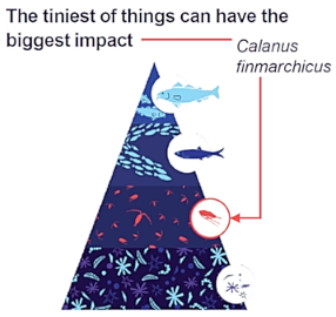
Zooca® Calanus® softgels are a ready for sale solution, made with sustainable, rich oil from Calanus (zooplankton), containing a full spectrum fatty acid profile, Marine Policosanols and Astaxanthin, bound in a natural form called wax esters. Zooca® Calanus® Oil is Novel Food approved and supported by clinical research on metabolic health and healthy aging.



PRODUCT PROFILE SHEET

Calanus finmarchicus is a crustacean, small in size but huge in numbers: one of the most abundant species of zooplankton in the North Atlantic and one of the Norwegian Sea's largest renewable resources.

Calanus is 3-5 mm long and is nearly at the bottom of the food chain; it feeds on phytoplankton and obtains energy derived from photosynthesis lower down in the food chain.



Zooca® Calanus® Oil is a novel ingredient, beyond Omega-3. It is a liquid wax: a broad fatty alcohol and fatty acid composition with strong and synergistic metabolic and ergogenic effects between key bio-actives: **Omega-3 fatty acids, Omega-11 fatty acids** (more than 40 different fatty acids), **Marine Policosanols** and **Astaxanthin**.

Scientific research on Zooca® Calanus® Oil demonstrates that this branded ingredient supports overall **metabolic health**, helps maintain **lean body mass** and **healthy body composition**, and supports maintenance of healthy **insulin levels** and **insulin sensitivity**. This, overall, makes it an innovative ingredient for **healthy aging**.

For more information about Zooca® Calanus® Oil, including clinical studies, visit our branded ingredient page**.**

Product Advantages

- ✔ **Unique 3-1 Natural Composition**
  Fatty Acids, Marine Policosanols and Astaxanthin bound in a natural, wax ester form
- ✔ **Bioavailable Source of Omega-3**
- ✔ **More than 20 years of Science**
  +20 publications On Zooca® Calanus® Oil
- ✔ **Studied to Support Metabolic Health and Healthy Aging**
- ✔ **Delayed release**
  Research shows wax ester form delays absorption in the digestive system
- ✔ **Renewable Marine Resource**
  Due to its abundance in nature and short life span (1 year)
- ✔ **Natural and Unrefined, Solvent-Free Extraction**
  Using gentle, low-heat process without any additives
- ✔ **Novel Food Approval**
- ✔ **Officially Approved by Codex Alimentarius**
  In the Global Standard for Fish Oils

Quality Assurance

Because *Calanus* is such a small organism with a short life cycle, it accumulates lower levels of pollutants than many larger marine species. As such, it does not require a rigorous extraction process to ensure a high-quality and pure finished product. The oil is gently refined, without the use of chemical solvents, helping preserve its natural composition.

Certifications

Throughout certification programmes and audits, extensive reviews of operational practices are conducted by independent third parties, verifying compliance with recognised quality, sourcing and manufacturing standards.

Zooca® The Calanus Company holds the following certifications: **ISO 9001, Halal and MarinTrust.**

LEHVOSS Nutrition

www.lehvoss-nutrition.com

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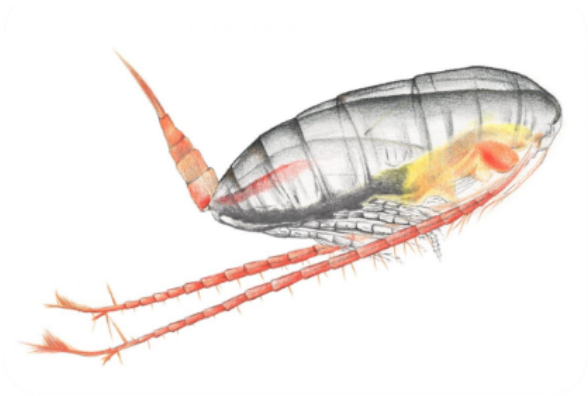
Sustainability

Meeting the Need without Compromising the Future

Zooplankton is a **renewable marine resource** in the Norwegian Sea, as the *Calanus* population regenerates every year. Approximately 290 million tonnes of *Calanus* are born every year. **Currently, of this number, only 0.0005% are responsibly harvested annually to produce Zooca® Calanus® Oil.**

About 10% of the total *Calanus* reproduced every year serves as food for a variety of fishes and animals. In early autumn, **80%** of *Calanus* make their way deep down into the dark ocean where the majority remineralises into the sea, providing nourishment for the marine ecosystem.

Only 10% hibernates through winter to restart the life cycle and, in late winter and early spring, make their way up to the ocean's surface to spawn and repeat the 1-year life cycle all over again



Close up of *Calanus finmarchicus*

Harvesting and Extraction

- Zooca® The Calanus Company is commitment to minimising impacts on the marine environment is implemented through internal policies for sustainable harvesting, which include minimising by-catch through technology development and capacity building. This is a carefully managed process designed to help ensure that other species and habitats within the ecosystem remain healthy.
- Zooca® The Calanus Company **uses fishing vessels during the off-season that would normally be used during summer** for standard fishing practices. The catching method uses a self-developed, patented towing system designed to minimise by-catch.
- **The production technology utilises 100%** of the *Calanus* raw material**.** As such, the extraction process is a fully integrated process with no unused biomass.



Calanus finmarchicus flushed ashore

Product Safety

The ingredient is recognised as safe and is Novel Food approved in Europe at a **maximum level of 3.1g per day.** The ingredient is also GRAS approved (Self Affirmation) in the US, holds a Natural Health Product approval from Canada, FSSAI (Food Safety and Standards Authority of India) approval, and has TGA (Therapeutic Goods Administration) approval as permitted ingredient for use in listed medicines in Australia.

Product Range

Formulation	Ingredient	Delivery Form
Zooca Softgels	Zooca Calanus Oil	500mg oval softgel
Zooca D3 Softgels	Zooca Calanus Oil+Vit D3	525mg+5µg Vit D3 oval softgel

Product Dosage

The Daily Dosage (DD) recommendation for Zooca® Calanus® Oil is currently not established. **The daily dose (DD) vary from one to four 500 mg capsules (0.5g to 2g), the most common are two to four 500 mg capsules (1g-2g) per day.** Food supplements are intended to complement a regular diet, and therefore, the DD may vary based on individual dietary habits, including normal consumption of foods containing omega-3s and astaxanthin. Personal factors such as age, body weight, sex, and other characteristics can influence the appropriate dosage, leading to a recommended daily dosage range. **The maximum level of Zooca® Calanus® Oil according to the EU Novel Food amendment (2025/1513) is 3.1 g/day (< 7.75 mg astaxanthin per day) for the general population older than 14 years of age.** We recommend taking Zooca® Calanus® Oil with a meal, preferably one that contains dietary fats. This is because Zooca® Calanus® Oil is a supplement ingredient consisting of lipids (fatty acids), and taking it with food containing fats helps signal the digestive system to prepare for the digestion and absorption of lipids.

Labelling Considerations

Based on the Novel Food amendment (2025/1513) the labelling of food supplements containing *Calanus finmarchicus* oil shall bear a statement that those food supplements should not be consumed:

- If other food supplements containing astaxanthin esters are consumed on the same day.
- By infants and children younger than 3 years / children under 10 years of age / children and adolescents under 14 years of age depending on the age groups the food supplement is intend for.

For more details on the Commission Implementing Regulation (EU) 2025/1513, download here.

Approved Health Claims

In addition to the research studies, Zooca® Calanus® Oil softgel capsules can benefit from the EFSA approved health claims related to **DHA and EPA** (Commission Regulation EU 1924/2006 and 432/2012). We would like to highlight:

DHA and EPA

- Normal function of the **heart** (0.25 g per day)

DHA

- Maintenance of normal **brain function** (0.25 g per day)
- Maintenance of normal **vision** (0.25 g per day)

Furthermore, with the addition of **Vitamin D** in one of the Zooca® Calanus® Oil softgel formulations, customers can also benefit from the claims related to this nutrient, in particular: maintenance of normal **bones, muscle function** and **immune system**.

Composition and Physical Description

Zooca® Softgels

- **Ingredients:** Zooca® Calanus® Oil, fish gelatin softgel
- **Appearance:** Ruby 10 oval softgel
- **Weight:** 705 mg ± 8.3 %
- **Average fill mass:** 500 mg ± 7.5 %
- **Finished Product Pack Size:** 12,500
- **MOQ:** The minimum order quantity for Zooca® softgels is 50,000.
- **Shelf life:** 3 years from the manufacturing date, when stored in the dark at between 15 -25 °C and 40-50% r.h.

Zooca® D3 Softgels

- **Ingredients:** Zooca® Calanus® Oil and Vitamin D3, fish gelatin softgel
- **Appearance:** Ruby 10 oval softgel
- **Weight:** 731 mg ± 8.3 %
- **Average fill mass:** 526 mg ± 7.5 %
- **Finished Product Pack size:** 12,000
- **MOQ:** The minimum order quantity for Zooca® D3 softgels is 48,000.
- **Shelf life:** 3 years from the manufacturing date, when stored in the dark at between 15 -25 °C and 40-50% r.h.



Factory in Winter

About

zooca®
The Calanus® Company

Zooca® The Calanus Company are the pioneers and makers of the nutritious Zooca® Calanus® Oil, derived from *Calanus finmarchicus*, the key zooplankton species in the Arctic Ocean. Their philosophy is to provide people and animals with high-quality ingredients and finished products derived from the tiny crustacean *Calanus finmarchicus*, supported by responsible harvesting and sourcing practices.

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