



Zooca® Calanus® softgels are 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.

The tiniest of things can have the biggest impact



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

- ✓ **More than 20 years of science and research**  
On Zooca® Calanus® Oil: 18 publications, including safety, 8 clinical trials, and ongoing clinical research
- ✓ **Made with natural and unrefined, solvent-free extraction oil**  
Using gentle, low-heat process without any additives
- ✓ **Eco-friendly and sustainably sourced**  
Due to its abundance in nature and short life span (1 year)
- ✓ **Clinically studied to support metabolic health and healthy aging**
- ✓ **Delayed release**  
Due to its wax ester form, which delays absorption in the digestive system
- ✓ **Novel Food Approval**
- ✓ **Bioavailable Source of Omega-3**

## Quality Assurance

Because Calanus is such a small organism with a short life cycle, it accumulates significantly lower levels of pollutants than other marine aquatic 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 chemicals, ensuring a natural and unprocessed product.

## Certifications

Throughout certifications and revisions, extensive audits of all operational aspects are conducted by objective third parties, confirming compliance, sustainability, and adherence to all quality standards. The company holds the following certifications: **ISO 9001, Halal, Marin Trust and Friend of the Sea (FOS)**.

## Sustainability

### Meeting the Need without compromising the Future

Zooplankton is an eco-friendly, sustainable resource in the Norwegian Sea as the Calanus population regenerates every year. Approximately 290 million tons of Calanus are born every year. **Currently, of this number, only 0.0005% are sustainably caught and harvested annually to produce Zooca® Calanus® Oil.**



Close up of *Calanus finmarchicus*

## Harvesting and Extraction

- The producer's engagement to **minimise the effects on the marine environment** is implemented internally through a Policy for Sustainable Harvesting which includes minimum by-catch through technology development and capacity building. This is a carefully managed process to ensure that other species and habitats within the ecosystem stay healthy.
- The manufacturer **uses fishing vessels (off-season) that would normally be used during summer** for standard fishing practices. The catching method is a self-developed, patented, environmentally friendly towing system.
- **The production technology utilises 100% of the Calanus raw material**  
As such, the extraction process is a waste-free, fully integrated process.



*Calanus finmarchicus* flushed ashore

## Product Safety

The ingredient is recognised as safe and is Novel Food approved in Europe at a maximum level of 2.3g 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 Standard Authority of India) approval, and has TGA (Therapeutic Goods Administration) approval as Listed Medicine 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 EFSA / EU Novel Food amendment (2022/966) is 2.3 g/day** for the general population older than 14 years of age. We recommend taking Zooca® Calanus® softgels 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 ([2022/966](#)), 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.
- By children younger than 14 years, if the ingredient contains  $> 0,1\%$  astaxanthin.



## Approved Health Claims

In addition to the research studies, Zooca<sup>®</sup> Calanus<sup>®</sup> 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<sup>®</sup> Calanus<sup>®</sup> 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<sup>®</sup> Softgels

- **Ingredients:** Zooca<sup>®</sup> Calanus<sup>®</sup> Oil, fish gelatin softgel
- **Appearance:** Ruby 10 oval softgel
- **Weight:** 705 mg ± 8.3 %
- **Average fill mass:** 500 mg ± 7.5 %
- **Pack Size:** 12,500
- **Minimum Order Quantity:** 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<sup>®</sup> D3 Softgels

- **Ingredients:** Zooca<sup>®</sup> Calanus<sup>®</sup> Oil and Vitamin D3, fish gelatin softgel
- **Appearance:** Ruby 10 oval softgel
- **Weight:** 731 mg ± 8.3 %
- **Average fill mass:** 526 mg ± 7.5 %
- **Pack size:** 12,000
- **Minimum Order Quantity:** 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**<sup>®</sup>  
The Calanus<sup>®</sup> Company 

Zooca<sup>®</sup> - The Calanus Company - are the pioneers and makers of the remarkable, nutritious Zooca<sup>®</sup> Calanus<sup>®</sup> Oil, derived from *Calanus finmarchicus*, the key zooplankton in the Arctic Ocean. Their philosophy is to feed people and animals with sustainable, healthy, high-quality ingredients and finished products produced from the tiny crustacean *Calanus finmarchicus*.