

**Algaefeed® Tetraselmis:** *Tetraselmis suecica* is a large green flagellate microalgae with a naturally high lipid level. It has a stimulant effect for zooplankton and brine shrimp. It is an exceptional feed for larval crustacean, such as shrimp or lobsters, is used to help regulate larval setting in bivalve hatcheries and is an excellent feed for post set bivalves and larval bivalves larger than 120 microns, such as oysters, clams, mussels and scallops. Algaefeed presents a naturally high lipid content and amino acids profile that stimulate feeding in marine animals.

### Algaefeed® Tetraselmis provides

#### **Advantages of Algaefeed vs Live algae**

- **Stable nutritional profile.** To produce live algae is required daily maintenance, skilled labour and special facilities. Changes in temperature and light and the presence of contaminating organisms can cause crop failure or change the nutritional profile of the algal culture. Instead of live algae **Algaefeed Tetraselmis** do not need nutrients or light so they maintain the same nutritional profile in your refrigerator or in your tank.
- **Easy to capture, faster feeding.**
-  **Inhibit Growth of numerous opportunistic marine bacterium pathogens.**
-  **Increasing growth rates**
-  **Fighting “Zoea Syndrome” in larval shrimp.**
-  **Better than probiotics.** It suppresses the dominance of *Vibrio spp*, improved egg hatching and larval survival (Regunathan et al, 2004).
-  **Excellent suspension, no clumping, no fouling.**

### Instructions for Use

#### **Easy to Use:**

-  Powder of microalgae easy to use by cell resuspension in water. Open the package, pour the content in water and resuspend with soft magnetic agitation.
-  No special preparation required
-  Easy to measure and disperse.

#### **Mixing**

-  For proper management, weight the required quantity, add one liter of seawater synthetic or sterilizes and homogenized using a beater. The dispersed product should be consumed within three days.

#### **Dosage**

-  The dosage depends on the number and size of the organisms will be fed. Cell number is not very informative of food value. There is such a large difference in cell volume (and biomass) for a small difference in cell size (just 10 % increase in the diameter means 33 % increase in volume (and biomass)). So a given mass of feeders requires a certain biomass of phytoplankton support metabolism and growth, not a certain number of algal cell.
-  One gram of Algaefeed Tetraselmis Powder contains approximately  $2 \times 10^9$  cells.

#### **Conservation**

**Algaefeed Tetraselmis do not have preservatives.**

-  Refrigerated or frozen: Product should be kept away from the sun light for no longer than two years. Under these conditions, once opened consumed within a month.

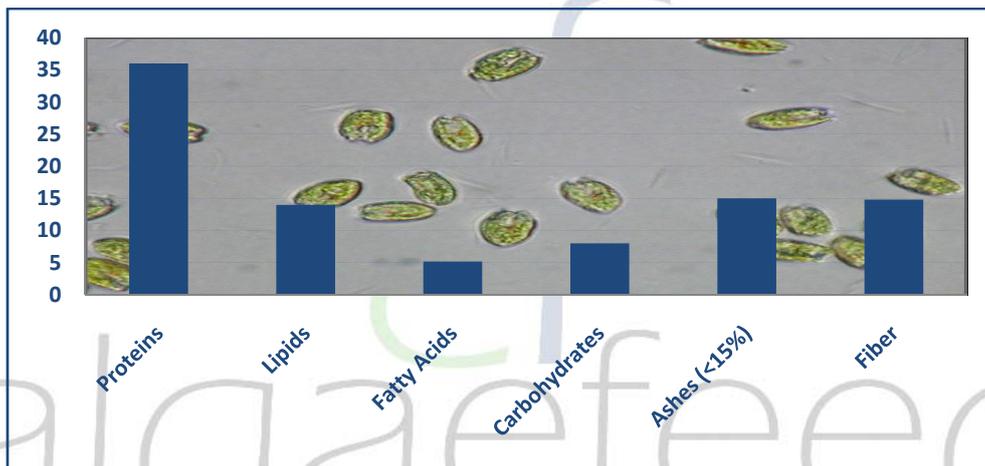
**Technical Description**

Description:  
**Powder of microalgae**  
 Appearance:  
**Green Flour of microalgae**  
 Particle size:  
**10-20 microns**  
 Degree of dispersion in solution: **High**  
 Content microalgae:  
**85%**

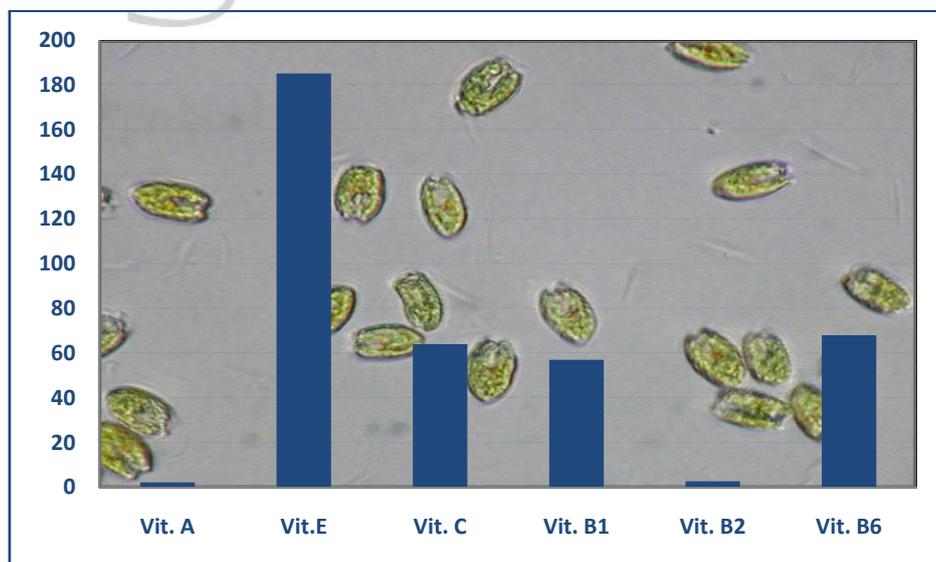


**Biochemical Composition for Algaefeed Tetraselmis Powder (10% d.w.)**

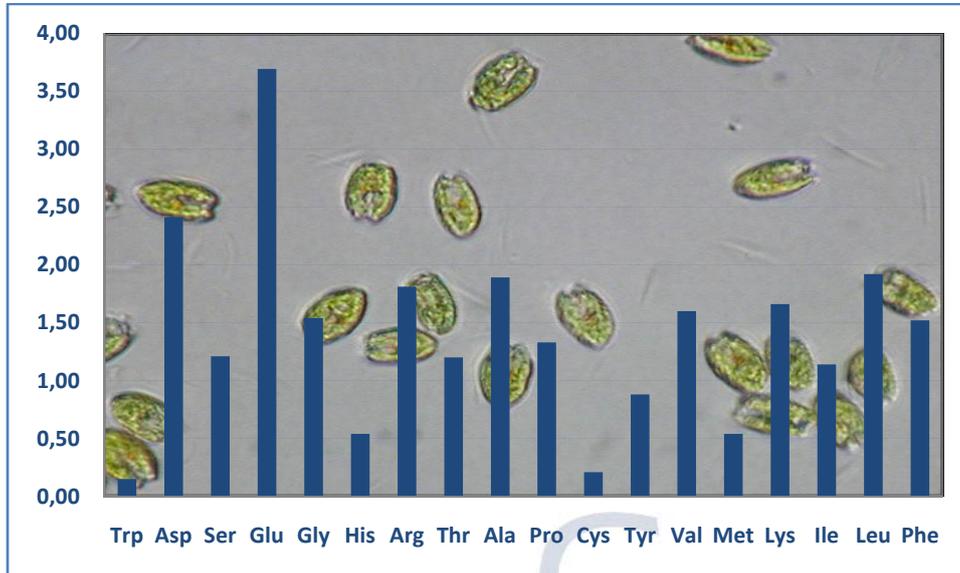
**General Composition (% of dry weight from algae)**



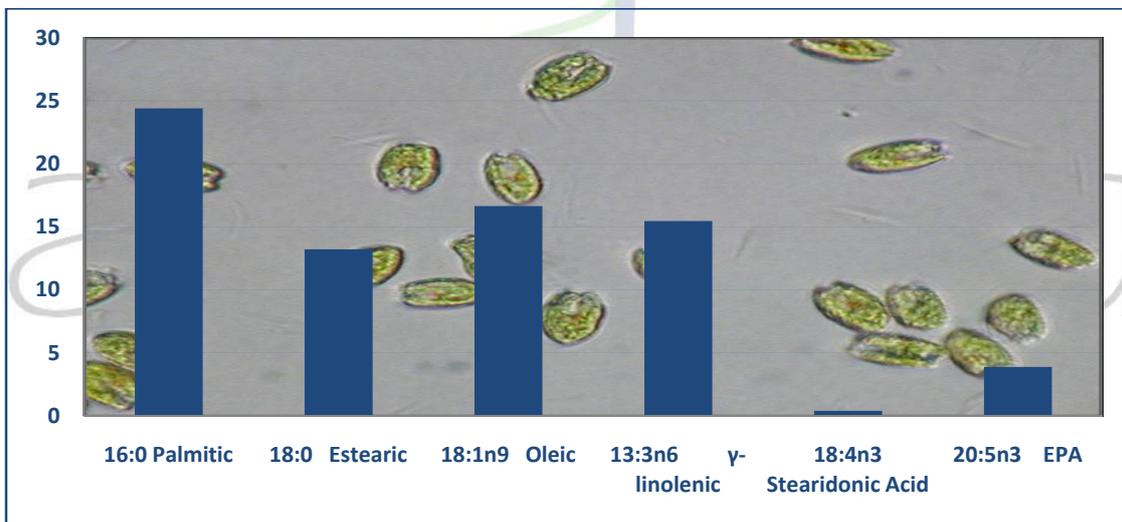
**Vitamins (µg/g)**



Aminoacids ( %w/w)



Fatty Acids (% total fatty acids)



Microbiology

 COLIFORM BACTERIA <sup>1</sup>	<b>NEGATIVE</b>
 SALMONELLA <sup>2</sup>	<b>NEGATIVE</b>
 VIBRIUM <sup>3</sup>	<b>NEGATIVE</b>

1, 2. ISO 6579:2003; 3. Agar Vibrio ID

## ALGALIMENTO SL

European Company specialised in the field of production of microalgae, guaranteeing the highest standards of quality and safety of our products.

Our premises are based in The Spanish Canary Islands Technological Institute, Europe, the most suitable for the development of this activity, given its mild climate all year round, its clean sea and its sun. Our production plant covers 2,000m<sup>2</sup> of cultivable surface, laboratory and agrifood plant for processing the biomass.

Three species of marine microalgae are currently produced in ALGALIMENTO SL: *Isochrysis*, *Tetraselmis* and *Dunaliella* for culturing and/or enriching live prey organisms of larvae fish, such as Artemia, rotifers and Mysid shrimps, also food source in the rearing of all stages of marine bivalve mollusks (clams, oyster, scallops), of the post-larval stages of some marine gastropods (e.g. abalone) and shrimp larviculture production, Nauplius, Zoea and post larvae phases as well as for broodstocks. Also, microalgae are often used directly in the tanks for rearing marine fish larvae, this is called "green water technique".

Our cultivations are performed in open systems. The products obtained are of high quality undergoing strict laboratory controls throughout their lifecycle.

**ALGALIMENTO is the biggest microalgae outdoor plant of Europe.**

**At our 2,000m<sup>2</sup> plant, we can produce up to 3,5 Tons of microalgae per year.**

**We are extending our plant, so we will increase the production capacity.**



**ALGAEFEED MICROALGAE ARE 100% EUROPEAN**