PENWAVE

Spin-off

Scientific Research

2014

START-UP POWERED BY POLITÉCNICO DE LEIRIA | ESCOLA SUPERIOR DE TURISMO E TECNOLOGIA DO MAR

Mission: Innovation of live preys production, for aquaculture and home aquarium administration.

Products and Services:

Microalgae: Non-traditional microalgae – fitted for more demanding species. Optimal omega-3 and omega-6 balance.

Copepods: High mobility. Tends to stimulate predation movements. Have a large dimensions scope and excellent nutritional profile.

Technology: Ready to use production units, to allow high density growth of microalgae and copepods.

Microalgae	Copepods
Rhodomonas lens *Chaetoceros calcitrans*	*Acartia tonsa*

Blend	Technology
Blend of phyto and zooplankton, fitted to your needs	Ready to use solutions, fitted for both aquaculture and home aquarium

Water saving: Our products are cultured in water recirculation systems

Microalgae grown in photobioreactor | Copepods grown in cylindro-conical tanks






Implementation ISO 9001

Eco-friendly products

For more info, please contact
info@pen-wave.org

pen-wave.org || @pen.wave

Follow us:

Docapesca - Porto de pesca
Armazém de comerciantes nº 62
2520-630 Peniche
Portugal

39°21'22''N 09°22'18''W

Acartia tonsa

Planktonic copepod specie that inhabits brackish water

What is *Acartia tonsa*?

- ↑ Growth and survival rate
- ↑ Feeding responses
- ↑ Source of lipids,protein and carotene
- ↓ Malformations and malpigmentation

Biochemical composition		Physical and Organoleptic specifications	
Protein (%)	36.5	Particle size	0,06 to 1,2 mm
Ash (%)	5	Appearance	Small organisms, with hop-like movement
Lipid (%)	30	Colour	Dark grey
PUFA (%)	12.4	Odour	Ocean-like

Tailor-made solutions

What's your demand?

Tell us your requirements and we will provide you the best and most fitting choice for your business.

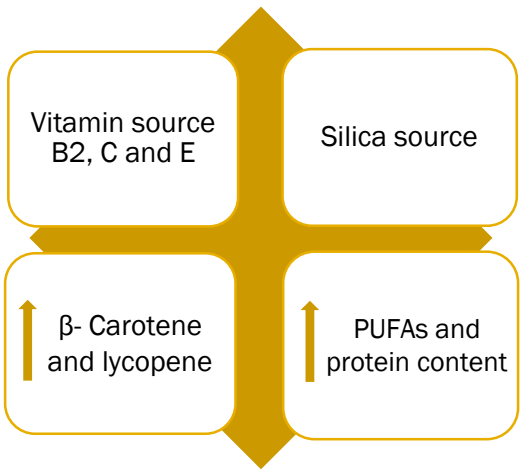
info@pen-wave.org

39°21'22''N 09°22'18''W || Peniche, Portugal

Chaetoceros calcitrans

Golden diatom. Rectangular form, with one setae in each edge.

What is *Chaetoceros calcitrans*?



Biochemical composition		Physical and Organoleptic specifications	
Protein (%)	34	Particle size	Each microalgae cell has 20µm
Ash (%)	2.32	Appearance	Golden
Lipid (%)	16	Colour	Golden
PUFA (%)	40.5	Odour	Ocean-like

Taylor-made solutions

What's your demands?

Tell us your requirements and we will provide you the best and most fitting choice for your business.

info@pen-wave.org

39°21'22''N 09°22'18''W || Peniche, Portugal

Rhodomonas lens

Unicelullar ovoid red microalgae.

Size ranging from 7-10µm.

What is *Rhodomonas lens*?

- α – carotene and fucoxanthin
- Easily digested
- ↑ Phycoerythrin content
- ↑ PUFAs and protein content

Biochemical composition		Physical and Organoleptic specifications	
Protein (%)	56	Particle size	Each microalgae cell ranges from 7 to 14µm
Ash (%)	5.38	Appearance	Reddish liquid
Lipid (%)	22	Colour	Reddish
PUFA (%)	7.4	Odour	Fish-like

Tailor-made solutions

What's your demands?

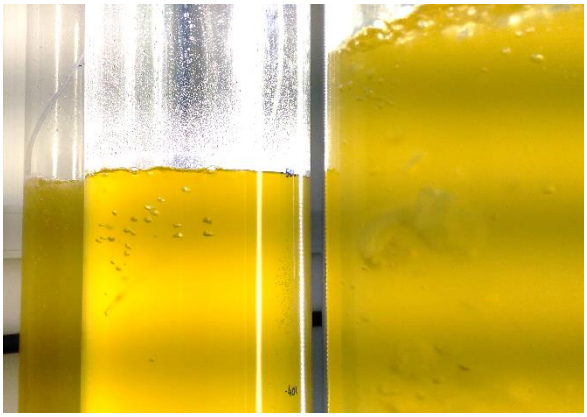
Tell us your requirements and we will provide you the best and most fitting choice for your business.

info@pen-wave.org

39°21'22''N 09°22'18''W || Peniche, Portugal

Technology and services

- Consulting and scaling included
- Ready-to-use reactors
- Support line, for any emergency
- Installing guaranteed



- Fitted for sensitive species
- Develop by marine biotechnologists
- Ready-to-use

What's your demand?

Tell us your requirements and we will provide you the best and most fitting choice for your business.

info@pen-wave.org

39°21'22''N 09°22'18''W || Peniche, Portugal