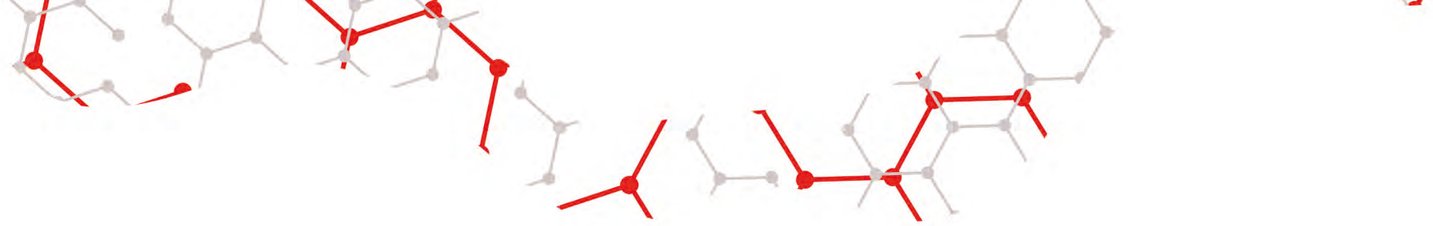
NUCLEOFORCE
Aqua Shrimps

Natural Growth
Inner Protection

Optimize the immunity of
SHRIMPS

Bioiberica



NUCLEOFORCE
Aqua Shrimps

Nucleoforce Aqua™ is a source of concentrated and balanced free **nucleotides** and active precursors obtained from yeast.

The unique composition of **Nucleoforce Aqua™** has been designed to meet precisely and specifically the needs of shrimps, helping to optimise the development of the **immune and digestive systems**.

HIGH NUCLEOTIDE CONTENT

Nucleotides, as elemental biomolecules of DNA and RNA, are involved in biochemical and cellular processes where there is a high rate of multiplication of genetic material, protein synthesis, cell replication and tissue maturation. This mainly affects animals in young ages and in challenges of the immune system. **At young ages the immune system and the intestinal system are the two tissues with the highest replication rate, and their rapid maturation and development is very important for a good start of the production**.

Thanks to its exceptional characteristics **Nucleoforce Aqua™** supports intestinal health in diets with high incorporation of plant-origin raw materials, helping to enhance the digestibility of the diet and thus supporting intestinal and overall health of animals.

Nucleoforce Aqua™ is a product of **natural origin**. Its origin and entire production process are focused on the **circular economy**. It is a co-product of the agri-food industry which, after being processed, becomes a high value-added raw material for the production of compound feed.

CIRCULAR ECONOMY

MAIN EFFECTS ON SHRIMPS:

- Resistance to diseases and various pathologies. [1,3]
- Resistance to the negative effects associated with productive stress. [2]
- Provides the necessary nutrients for the correct development of the immune system. [2]
- Increased growth and development of shrimps. [2,3]
- Increased egg production and profitability of laboratories and raceways. [4]

1. *Effect of the dietary nucleotide supplement on the survival rate of Litopenaeus Vannamei. CENAIM, ESPOL, ECUADOR (2014).*

2. *Immunity and growth performance of giant tiger prawn as influenced by dietary nucleotide supplement (Penaeus Monodon Fabricius). Rey Antonio Belleta Blaya, BS Biology, Marine Biology, Department of Biological Sciences, Visayas State University. The Philippines, 2009.*

3. *Effect of the dietary nucleotide supplement on the survival rate of Giant Tiger Prawn (Penaeus Monodon Fabricius). Rhex Morata Relente, BS Bioloby. Marine Biology, Department of Biological Sciences, Visayas State University. The Philippines, 2009.*

4. *Efecto del uso de Nucleoforce Shrimps LR en las dietas de reproductores de camarón blanco Penaeus Vannamei. Darwin Zambrano, María de Los Ángeles Villacís, René Merchán. Industria Camaronera CostAmar IVAC, 2019.*

BIOIBERICA

MORE THAN 40 YEARS IMPROVING THE HEALTH AND WELL-BEING OF PEOPLE, ANIMALS AND PLANTS.

Since 1975 we have identified and developed biomolecules of high biological and therapeutic value, which are transformed into high quality **products for the pharmaceutical, nutraceutical, veterinary, food and agricultural industries**.

Our production model is based on the use of raw materials of animal origin in the most efficient way. We guarantee **full traceability and quality control** throughout the production process. We process the raw material in our 9 state-of-the-art manufacturing facilities, which comply with the most restrictive and up-to-date regulations and standards of good manufacturing practices (GMP/GMP+).

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