



## MARINE HYDROLYSATE FOR AQUAFEED

### PRESENTATION

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a premium **liquid functional hydrolysate** designed for use in **aqua feed**.

This product is manufactured from **fresh tuna and small pelagics** (issued from fishery) carefully selected for their unique nutritional profile and superior attractiveness and whose freshness is guaranteed by a strict local supply chain control and a fast local production process.

Our marine raw materials are then submitted to our core hydrolysis process that guarantees adequate level of **free amino acids** and **bioactive peptides**.

Marine bioactive peptides are well known to have a direct action on key biological mechanisms (immuno-modulator, anti-microbial, hormone-like growth factor peptides...) allowing animal higher resistance to stress and pathogens thus leading to better health and survival.

In addition to the animal health benefit, these low molecular weight compounds are easy to assimilate and quickly cross the intestine membrane leading to an improved feed efficiency and a faster growth.

### BENEFITS

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improve your feed formula by increasing:

- |                                      |   |  |
|--------------------------------------|---|--|
| - Feed <b>Palatability</b>           | ➔ | <i>Higher <b>Feed Intake</b></i>                           |
| - Feed <b>Nutritional</b> quality    | ➔ | <i>Better <b>FCR</b>, Faster <b>Growth</b></i>             |
| - Feed <b>Bioactivity</b> properties | ➔ | <i>Higher <b>survival</b>, Better <b>Animal Health</b></i> |

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- As a **cost effective alternative solution** to substitute specific raw material like fishmeal
  - As a **performance booster** in your premium feed range

# MARINE HYDROLYSATE FOR AQUAFEED

## NUTRITIONAL ANALYSIS

### PROXIMAL ANALYSIS

- Moisture:	71-75 %	(CE N°152/2009, Dessication 103°C, 4 hours)
- Protein:	14-17 %	(ISO 16634-1, Kjeldahl method)
- Fat:	1-3 %	(CE N°152/2009, Hot acid hydrolysis)
- Ash:	3-5 %	(Incineration 550°C, 8 hours)
- pH:	< 3.5	

Crude energy: 1510 (kcal / kg)\*

### MINERALS\*

- Calcium:	0,15 %
- Phosphorus:	1,16 %
- Sodium:	0,11 %
- NaCl:	0,59 %

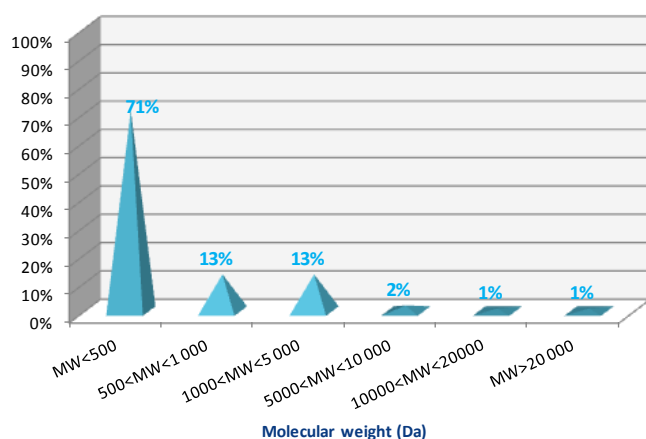
### DIGESTIBILITY

- Pepsin Digestibility: 98 %

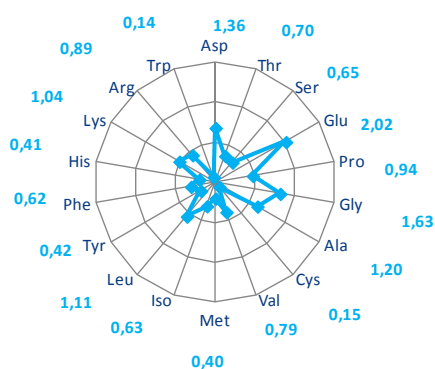
### PROTEIN QUALITY\*

- Soluble Protein:	83 % of total protein	- Total Amino Acids:	83 % (in % of protein)
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Molecular weight repartition  
(% of peptides)



Main Amino acids  
(% of product)



\* Indicatives values

# MARINE HYDROLYSATE FOR AQUAFEED

## PRODUCT QUALITY

### FRESHNESS

**Total Volatile Nitrogen**

- TVN: < 300 mg EQ/100g

### BACTERIOLOGICAL ANALYSIS

- Salmonella: abs/25g

- Enterobacteria: < 300 CFU/g

## RECOMMENDED USE

used in inclusion at 2 to 5% concentration.

should be stored:

- at ambient temperature
- away from sunlight
- for up to 9 months following the date of manufacture

## COMPOSITION

Tuna and small pelagics co-products; preservatives: phosphoric acid (E338), ascorbic acid (E300), citric acid (E330), potassium sorbate (E202); antioxidants: BHA (E320), propyle gallate (E310).

*Other specific analysis may be available on request*