

LSAQUA Shrimp

LSAqua Shrimp is an innovative complete feed, especially formulated for marine shrimp species like *Penaeus monodon*, *P. vannamei* and *P. indicus*. The complete feed was developed following our "Sustainable feed" (SF) product line; aquafeed based in recovered-by-products and our fishmeal replacer.

It contains all the necessary nutrients in a proper equilibrium to guarantee an efficient growth. The formula contains a blend of vegetable, single cell and by-product-protein. The essential fatty acids are provided by vegetable oil sources.

Halal (HL) complete feed is also available.

Benefits

- Feed without fishmeal and fish oil
- The most sustainable feed available
- Enhanced disease resistance
- High energy
- Fast growth
- Low FCR

Instructions for use, packing and shelf life

- Feed is ideal for shrimp weights indicated on the table.
- Starter feed is in crumble form whereas grower and finisher are extruded feed.
- Feeding according to water temperature and shrimp appetite.

Feed is available in bags of 25 or 1000 kg. The product is manufactured 6 months before the expiry date mentioned on the label and should be stored dry and cool.

LSAQUA SHRIMP™

Shrimp stage	Starter	Grower	Finisher	Grower HL
Pellet size (mm)	0.5-2.0	1.5 x 2-3 2.0 x 3-4	2.5 x 3-5	1.5 x 2-3 2.0 x 3-4
Shrimp weight (gr)	<4	3-15	>15	3-15

Nutrition Values

Crude Protein (%)	41.0	39.1	37.2	39.4
Crude Fat (%)	7.7	7.7	7.7	7.4
Ash (%)	5.2	4.9	4.9	4.8
Crude Fibre (%)	2.4	2.6	2.5	2.4
Moisture (%)	8.9	9.1	9.3	9.3
Gross Energy (Kcal)	4259	4380	4342	4236
Digestible Energy (Kcal)	3400	3496	3466	3382

Minerals

Calcium (Ca %)	0.4	0.3	0.4	0.3
Phosphor (P %)	0.6	0.6	0.6	0.6
Magnesium (Mg %)	0.4	0.4	0.4	0.4
Sodium (Na %)	0.4	0.3	0.3	0.3
Copper (Cu mg/kg)	3.3	0.5	0.4	0.5
Cholesterol (mg)	674.1	604.8	604.8	597.8

Amino acids

Methionine (%)	0.9	0.9	0.8	1.6
Lysine (%)	1.4	1.3	1.3	1.4

Fatty acids

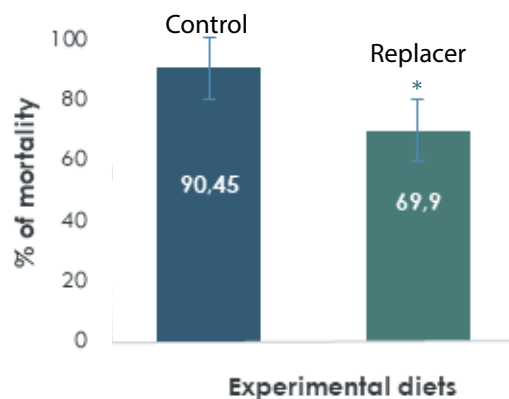
EPA (%)	0.4	0.4	0.4	0.4
DHA (%)	0.4	0.3	0.3	0.3

Nutritional values on the delivered product may vary from the stated values in this datasheet; depending on natural variations and availability of raw materials.

Some results

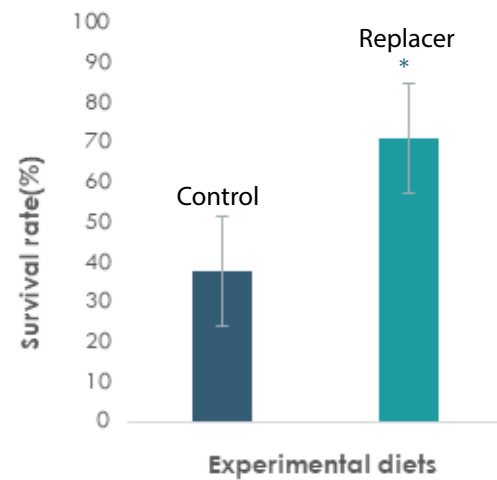
Resistance to Acute Hepatopancreatic Necrosis Disease (AHPND)

Initial weight: 0,023g Period: 28 days



Survival and specific growth rate

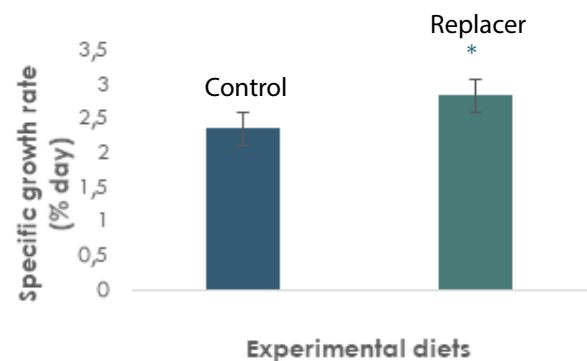
Initial weight: 1,5 g Period: 60



Apparent Digestibility Coefficient

Diets	ADCs (%) of test diets	
	Reference	Replacer
Dry Matter (%)	73.32 ± 0.51	75.61 ± 0.47
Crude Protein (%)	87.78 ± 0.31	88.56 ± 0.25
Crude Lipid (%)	89.33 ± 0.96	89.89 ± 0.42
Phosphorus (%)	77.82 ± 1.04	77.37 ± 0.29
Gross Energy (%)	85.74 ± 0.29	86.51 ± 0.47

* $p < 0.05$ vs control



We believe in a more sustainable world and we make it possible

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