

PROCESSED PROTEIN CONCENTRATE - A SUSTAINABLE ALTERNATIVE TO FISHMEAL IN AQUAFEEDS

FidarFeed
Performance Evolution

Benefits:

- Reduces total feed cost compared to traditional protein sources
- Enhances nutrient absorption, resulting in lower waste output in farmed fish and shrimp
- Improves physical and chemical feed quality, including aroma and palatability
- Lowers nitrogen excretion, reducing ammonia levels in culture ponds
- Promotes gut health, aids in intestinal lining repair, and minimizes intestinal damage
- Easy to formulate into existing feed recipes



Fidar Takapou Bondar Gostar (FidarFeed)
Manufacturing & Trading Co.
Supplying, Manufacturing, and Exporting
High-Quality Prepared Feed, Concentrates and Additives for All Animals

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PROCESSED PROTEIN CONCENTRATE - A SUSTAINABLE ALTERNATIVE TO FISHMEAL IN AQUAFEEDS



Overview:

Our Processed Protein Concentrate (PPC) is a high-performance alternative to traditional fishmeal in aquaculture feed formulations. This innovative product delivers a high level of crude protein and digestible energy, making it ideal for improving growth and feed efficiency in farmed fish and shrimp.

Compared to other plant-based protein sources, this PPC offers a superior essential amino acid profile, including elevated levels of lysine, methionine, threonine, and others. It is rich in small peptides that are highly bioavailable and easy to digest.

Thanks to advanced high-temperature, short-time (HTST) cooking and fermentation processes, the product contains minimal anti-nutritional factors (e.g., lectins, trypsin inhibitors) and is free from viral contamination, with low microbial and fungal loads.

Composition:

- Fermented and extruded soybean
- probiotic
- prebiotic
- yeast cell wall and extract
- phospholipid
- acidifier
- multi-enzyme complex
- lactic acid
- and more

Key Features:

- High crude protein content
- Excellent digestible energy levels
- Rich in essential amino acids such as lysine, methionine, and threonine
- Enriched with bioavailable peptides for enhanced absorption
- Significantly low in anti-nutritional factors
- Free from viral contamination
- Low microbial and fungal counts due to thermal and fermentation treatments
- Contains beneficial fermentation metabolites such as lactic acid
- Amino acid profile closely resembles fishmeal, making it a strong replacement
- Compatible with other protein sources like soybean meal, rapeseed meal, meat meal, and gluten variants

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Recommended Inclusion Rates:

- Rainbow trout: up to 15% of total feed
- Carp species: up to 25%
- Marine species (e.g., seabass, seabream): up to 15%
- Farmed shrimp: up to 20%

Comprehensive Product Analysis (per 100% Dry Matter):

Abbreviation	Parameter	Value
De	Digestible Energy (kcal/kg)	4000
CP	Crude Protein (%)	50
DP	Digestible Protein (%)	90
CF	Crude Fiber (%)	6.2
EE	Crude Fat (%)	3.6
Starch	Starch (%)	6
Ca	Calcium (%)	0.57
P	Phosphorus (%)	0.62
Na	Sodium (%)	0.11
Cl	Chloride (%)	0.25
K	Potassium (%)	1.85
Lys	Lysine (%)	3.94
Met	Methionine (%)	1.54
Cys	Cysteine (%)	0.60
Thr	Threonine (%)	2.21
Trp	Tryptophan (%)	0.63
ILE	Isoleucine (%)	2.10
Leu	Leucine (%)	3.38
His	Histidine (%)	1.39
Val	Valine (%)	2.29

Packaging:

Available in 40 kg laminated bags for safe storage and easy handling.



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