



## BROCHURE OF THE PRODUCT

### TECHNICAL SHEET: FISH MEAL

#### GENERAL FEATURES OF GOOD

Product Name	:	PERUVIAN STEAM DRIED FISHMEAL STANDARD 67 % - 63 %
Technical Name	:	PERUVIAN STEAM DRIED FISHMEAL
Segment 46/Class 18/Family 15 ONU	:	
Product Name in the Catalog ONU	:	
Code ONU	:	
Measurement Unit	:	Kilogramo (Kg)
: Fishmeal dehydrated and degreased product obtained by cooking, pressing, drying and grinding of fish or parts of fish of different species.		

#### SHEET GENERAL FEATURES

Version	:	05
Status	:	
Period for suggestions	:	
Date of registration in the SEACE	:	2017

#### PRODUCT OVERVIEW

#### PHYSICAL AND CHEMICAL REQUIREMENTS

The fishmeal is normally composed of:

▪ Protein	67% - 63%	min.
▪ Moisture	10%	max.
▪ Fat	8% - 10%	max.
▪ Ash	14% - 20%	max.
▪ Impurities	Absence	
▪ Insects	Absence	

#### ORGANOLEPTIC FEATURES

**Color:** Brown, Dark Yellow

**Odor:** Characteristic

FEATURES COMPOSITION AND QUALITY

Fishmeal, natural and sustainable, provides a concentrated source of high quality protein and fat rich in omega-3 fatty acids, DHA and EPA.

- FAT: Omega 6: Omega 3
- MINERALS: Phosphorus and trace elements
- VITAMINS: Vitamin B complex including choline, vitamin B12 and A and D.

### Microbiological Requirements

- Salmonella: negative
- Free of foreign materials and microorganisms

### Percentage of crude protein and essential amino acids

Dry Matter	(%)	80 - 97
Ether extract	(%)	0.5 – 15
Crude Fiber	(%)	1 – 7
Crude Protein	(%)	60- - 80
Calcium	(%)	0.5 – 5,0
Phosphorus	(%)	0,3 – 3,0
EM Mcal/Kg		0,5 – 2

Also, there are two forms of drying fish to obtain fish meal: hot air and steam. Considering the steam drying method qualities fishmeal most known are:

- 1) Super Prime
- 2) Prime
- 3) Standard 66%

These qualities of fishmeal must meet the following requirements:

Component	Unit	Range	Super Prime	Prime	Standard (66)
Protein	%	min.	68-70	67-70	66
Fat	%	max.	10	10	10
Moisture	%	min-max	7-10	7-10	7-10
Fatty Acids	%	max.	7,5	10	-
Ash	%	min-max	13-16	14-17	14-20
Salt and Sand	%	max.	4	5	5
TVN (Total volatile index)	mg/ 100grs	max.	100	120	150
Histamine	PPM	max.	500	1000	-
Digestibility	%	min.	94	94	92
Antioxidant	PPM	min.	150	150	150

## **REQUIREMENTS**

Health Registration issued by the Institute of Fisheries Technology of Peru

## **CERTIFICATION**

Mandatory

## **OTHER SPECIFICATIONS**

### **Container**

It used polypropylene bags of first use for bulk product presentations or other container that keeps the product in good condition, and should be sufficient protection for the contents in normal conditions of handling, transport and distribution of the product to its destination end.

### **Marks**

You must comply with the standard mandatory labeling of packaged products also must contain the following:

- Product name
- Name and address of the manufacturer, packer or seller, in case of imported products name and address of the importer.
- Production date
- Due Date
- Net Weight
- Batch number
- Place of Origin
- Pot life 12 months.

### **Presentation**

Polypropylene Bags of 50Kg Jumbo Bag of 1200Kg