

# Pacific White Fish 64

## Natural Pacific White Fish Meal

**Pacific White Fish 64** fishmeal is derived mainly from the fresh cuttings of Pacific whiting (*Merluccius productus*) harvested and processed for human consumption. All processing is domestic and shore-based. All facilities are federally inspected. Commercial fisheries targeting Pacific whiting and other groundfish species are the primary source of raw material. These fisheries conform to [Marine Stewardship Council](#) standards and reflect our “Sustainability Mission” to promote ecologically responsible marine resource management practices worldwide. Utilizing only fish cuttings from established fisheries managed as sustainable natural resources is the best way to ensure our products is wholesome, renewable and reliably available.

**Pacific White Fish 64** is a consistent feed ingredient. Specifications do not vary seasonally and each production lot is formulated and blended to standard nutrient levels. It is a source of highly digestible fish protein, provides a supplemental level of omega-3 fatty acids including docosahexaenoic (DHA) and eicosapentaenoic (EPA), and is stabilized with natural antioxidants.

**Pacific White Fish 64** is produced solely in the United States of America. It is traceable with documentation showing source and disposition of raw material utilized in production and final product formulation. Our company benefits from vertical integration within a human seafood company, [Pacific Seafood Group](#), through access to their electronic tracking of fish catch, landings and processing, and the subsequent disposition of fresh cuttings. Pacific Seafood Group maintains strict quality standards based on scientifically derived FSMA/HACCP systems at all our locations to ensure the product you receive is highest quality.

Customers are always welcome to visit our facilities and review our practices. Our definition of excellence, “consistently doing your best and always striving to do better”, demonstrates our commitment to providing a traceable, sustainable and wholesome product to our customers and yours.

### Guaranteed Analysis

Crude Protein (min)	64.0 %
Crude Fat (min)	5.0 %
Crude Fiber (max)	1.5 %
Ash (max)	21.0 %
Moisture (max)	10.0 %
Calcium (min/max)	4.8 / 7.0 %
Phosphorus (min)	2.8 %
Salt (max)	2.5 %

### Freshness

Histamine	50 mg / kg meal
Total Volatile Nitrogen	120 mg N / 100 g meal

**Amino Acids** (% meal)

Alanine	3.7
Arginine	4.8
Aspartic acid	6.0
Cystine	0.6
Glutamic acid	8.5
Glycine	3.0
Histidine	1.5
Isoleucine	3.1
Leucine	5.4
Lysine	5.7
Methionine	1.8
Phenylalanine	2.9
Proline	2.4
Serine	2.7
Threonine	3.1
Tryptophan	1.0
Tyrosine	2.6
Valine	3.7

**Digestibility**

Pepsin Digestibility 0.0002% pepsin 96%

**Fatty Acids** (% meal)

Myristic	C 14:0	0.2
Palmitic	C 16:0	1.6
Palmitoleic	C 16:1	0.5
Stearic	C 18:0	0.3
cis-Oleic	C 18:1 n-9	1.9
cis-Linoleic	C 18:2 n-6	0.1
gamma-Linolenic	C 18:3 n-6	BDL
α-Linolenic	C 18:3 n-3	0.1
cis-11-Eicosenoic	C 20:1 n-9	0.1
cis-11,14,17-Eicosatrienoic	C 20:3 n-3	0.1
Arachidonic	C 20:4 n-6	0.1
Eicosapentaenoic (EPA)	C 20:5 n-3	0.8
Erucic	C 22:1 n-9	0.1
Docosahexaenoic (DHA)	C 22:6 n-3	0.7
Total omega-3		1.8
Total omega-6		0.2

### Fat Stability

Preserved with Mixed Tocopherols	750 ppm
Peroxide Value	10.0 mEq / kg fat

### Minerals (% meal)

Calcium	5.4
Phosphorus	3.1
Potassium	0.9
Sodium	1.0
Sulfur	0.7
Magnesium	0.2

### (mg / kg meal)

Iron	100
Zinc	85
Aluminum	40
Copper	5
Manganese	13
Chromium	1
Vanadium	BDL
Cadmium	BDL
Lead	BDL
Cobalt	BDL
Nickel	BDL
Molybdenum	BDL

### Vitamins (IU / kg meal)

Vitamin A	64,500
Vitamin D	1,100
Vitamin E	N/A

### Microbial Analysis

Aerobic Plate Count	100,000 cfu / g
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### Product Characteristics

Color	Light brown
Odor	Mild fish
Physical	Free-flowing, 100% through 2.5 mm screen
Density	Approximately 25 - 28 lbs / ft <sup>3</sup>



pH 7.0 – 7.5  
Storage Store in a cool, dry place in original packaging  
Stability 9 months when appropriately stored

### **Packaging**

1,800- 2,000 lb bulk bags

### **AAFCO Ingredient Name**

Fish Meal

### **Processing Statements**

Allergen: This product contains fish and is processed in a facility that processes crustacean shellfish.  
This product is not intended for human consumption.

### **Typical Values**

The values for freshness, amino acids, fatty acids, minerals, vitamins, aerobic plate count, and product characteristics are typical and expected values.

The value for peroxide value is a typical value for the product at time of shipping.

### **Manufacturer**

Pacific Bio Products- Warrenton, LLC

(DBA BioOregon Protein, Inc.)

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### **Technical & Sales Inquiries**

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