

Pacific Whiting Meal

Pacific Whiting Meal is derived 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 on the West Coast of the United States conform to [Marine Stewardship Council](#) standards and reflect our “Sustainability Mission” to promote socially and ecologically responsible marine resource management practices worldwide. Utilizing only fish cuttings from established marine fisheries managed as sustainable natural resources is the best way to ensure our product is wholesome, renewable and consistently available.

Pacific Whiting Meal is a complete fishmeal containing soluble fish components. 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 synthetic antioxidants.

Pacific Whiting Meal 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 that the product you receive is the 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)	23.0 %
Moisture (max)	10.0 %
Calcium (min/max)	5.3 / 7.0 %
Phosphorus (min)	3.1 %
Salt (max)	3.0 %

Typical Analysis

Freshness

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

Amino Acids (% meal)

Alanine	4.0
Arginine	4.5
Aspartic acid	5.3
Cystine	0.5
Glutamic acid	8.0
Glycine	5.4
Histidine	1.4
Isoleucine	2.6
Leucine	4.9
Lysine	5.0
Methionine	1.6
Phenylalanine	2.7
Proline	3.6
Serine	3.0
Threonine	2.0
Tryptophan	0.5
Tyrosine	2.1
Valine	3.2

Protein Digestibility

Pepsin Digestibility (0.0002% pepsin) 96.0 %

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	0.9
Erucic	C 22:1 n-9	0.1
Docosahexaenoic (DHA)	C 22:6 n-3	0.8
Total omega-3		2.0
Total omega-6		0.2

Fat Stability

Preserved with BHT	150 ppm
Peroxide Value	10.0 mEq / kg fat

Minerals (% meal)

Calcium	6.0
Phosphorus	3.5
Potassium	1.0
Sodium	1.1
Sulfur	0.8
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
---------------------	-----------------

Product Characteristics

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



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

Packaging

1,500 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, BHT and product characteristics are typical and expected.

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

Manufacturer

Pacific Bio Products- Newport, LLC

1310 SW Bay Blvd

Newport, OR 97365

w: www.pacificbioproducts.com

e: biooregonmarketing@pacseafood.com

p: 541-265-7279

Technical and Sales Inquiries

Bing Brackeen

Technical Product and Market Development Manager

e: bbrackeen@pacseafood.com

p: 503-861-2256 ext. 8808 | c: 971-601-0793

Sales

Gary Acker

International and Domestic Sales/ Global Logistics Manager

e: gacker@pacseafood.com

p: 503-905-4589 | c. 503-260-4127

Revision Date: October 1, 2020