

Pacific Whiting 64- MSC

Natural Pacific Whiting Meal

Pacific Whiting 64- MSC is a natural fishmeal certified as sustainable by the [Marine Stewardship Council](#) (MSC). It is derived solely from 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. Utilizing only fish cuttings from marine fisheries that conform to MSC standards reflects our “Sustainability Mission” to promote ecologically responsible marine resource management practices worldwide. It is the best way to ensure our product is wholesome, renewable and reliably available.

Pacific Whiting 64- MSC 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. This fishmeal is species-specific and can validate flavor, label and natural claims.

Pacific Whiting 64- MSC 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)	5.5 %
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	100 mg N / 100 g meal

Protein Digestibility

Pepsin Digestibility (0.0002% pepsin)	96 %
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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

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

Product Characteristics

Color Light brown
 Odor Mild fish
 Physical Free-flowing, 100% through 2.5 mm screen

Density	Approximately 25 - 28 lbs / ft ³
pH	7.0 – 7.5
Storage	Store in a cool, dry place in original packaging
Stability	9 months when appropriately stored

Packaging 2,000 lb bulk bags

AAFCO Ingredient Name Fish Meal

Certification Marine Stewardship Council (MSC-C-54072-WA)

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 typical for the product at time of shipping.

Manufacturer

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