

SeaPro[®] 75

Fish Protein Concentrate

SeaPro[®] 75 is a fish protein product derived mainly from fresh cuttings of Pacific white fish harvested and processed for human consumption. All processing is domestic and shore based. All facilities are federally inspected. Commercial fisheries targeting Pacific whiting (*Merluccius productus*) 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 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 reliably available.

SeaPro[®] 75 is a consistent feed ingredient. Product specifications do not vary seasonally, and each production lot is formulated and blended to standard nutrient levels. Fish cuttings are mechanically deboned and the final product is a concentrated source of highly digestible fish protein, and extremely low in ash. It provides a supplemental level of omega-3 fatty acids including docosahexaenoic (DHA) and eicosapentaenoic (EPA), and is stabilized with natural antioxidants. This premium product is ideal for improving feed protein quality, reducing dietary ash or mineral content, and validating flavor, label and natural claims.

SeaPro[®] 75 is produced solely in the United States of America. It is traceable with documentation showing source and processing 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 fish 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	≥ 75.0 %
Crude Fat	≥ 8.0 %
Crude Fiber	≤ 1.5 %
Ash	≤ 5.5 %
Moisture	< 10.0 %
Calcium (min/max)	0.4 / 1.0 %
Phosphorus	≥ 0.7 %
Salt	≤ 1.5 %

Typical Analysis

Amino Acids	(% meal)	(g / 100 g protein)	(% digestible)
Alanine	4.1	5.3	95.9
Arginine	5.6	7.3	88.4
Aspartic acid	7.3	9.5	93.5
Cystine	0.7	0.9	86.8
Glutamic acid	10.1	13.2	94.8
Glycine	3.4	4.5	N/A
Histidine	1.8	2.3	83.8
Isoleucine	3.7	4.8	96.1
Leucine	6.4	8.4	96.3
Lysine	6.9	8.9	85.7
Methionine	2.2	2.9	96.6
Phenylalanine	3.5	4.6	95.4
Proline	2.8	3.6	93.6
Serine	3.2	4.2	94.1
Taurine	0.2	0.3	N/A
Threonine	3.6	4.7	94.2
Tryptophan	1.2	1.6	99.7
Tyrosine	3.1	4.1	95.1
Valine	4.4	5.8	94.1

Protein Digestibility	(% protein)
Pepsin (0.0002% pepsin)	96.0
Coho Salmon	95.1
Rainbow Trout	96.7

Fatty Acids		(% meal)	(g / 100 g fat)
Myristic	C 14:0	0.3	3.0
Palmitic	C 16:0	1.8	19.0
Palmitoleic	C 16:1	0.7	7.0
Stearic	C 18:0	0.5	5.0
cis-Oleic	C 18:1 n-9	2.4	25.0
cis-Linoleic	C 18:2 n-6	0.2	1.8
gamma-Linolenic	C 18:3 n-6	N/A	0.4
α-Linolenic	C 18:3 n-3	0.2	1.5
cis-11-Eicosenoic	C 20:1 n-9	0.2	2.5
cis-11,14,17-Eicosatrienoic	C 20:3 n-3	0.2	2.0
Arachidonic	C 20:4 n-6	0.2	1.5
Eicosapentaenoic (EPA)	C 20:5 n-3	1.2	12.3
Erucic	C 22:1 n-9	0.1	1.5
Docosahexaenoic (DHA)	C 22:6 n-3	1.1	12.0

	(% meal)	(g / 100 g fat)
Total omega-3	2.8	28.5
Total omega-6	0.4	2.5

Freshness

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

Fat Stability

Preserved with mixed tocopherols	1000 ppm
Peroxide Value	10.0 mEq / kg fat

Minerals

	(% meal)
Calcium	0.8
Phosphorus	0.9
Potassium	0.5
Sodium	0.4
Sulfur	0.9
Magnesium	0.13

(mg / kg meal)

Iron	250
Zinc	100
Aluminum	30
Copper	4
Manganese	5
Chromium	1
Vanadium	BDL
Cadmium	BDL
Lead	1
Cobalt	BDL
Nickel	BDL
Molybdenum	BDL

Vitamins

	(IU / kg meal)
Vitamin A	86,500
Vitamin D	1,500
Vitamin E	N/A

Microbial Analysis

Aerobic Plate Count	10,000 cfu / g
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Product Characteristics

Color	Light brown
Odor	Mild fish
Physical	Free-flowing, 100% through 1.9 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	6 months when appropriately stored

Packaging 1,800 lb bulk bags

AAFCO Ingredient Name Fish Protein Concentrate, Fish Meal

Certification Canada Export

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 value for mixed tocopherols is a residual and typical content for the product at the time of shipping.

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

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

Manufacturer

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