

Shrimp Shell Meal

For Further Use as Feed, Fertilizer, or Chitin Extraction

Shrimp Shell Meal is derived from the fresh cuttings of Ocean Pink Shrimp (*Pandalus jordani*) processed for human consumption at inspected, domestic fish processing facilities. The raw material is cooked, de-watered, and dehydrated under low-temperature conditions. No additives are utilized for processing or preservation.

Shrimp Shell Meal is a concentrated source of minerals and contains supplemental levels of protein, astaxanthin pigment, and chitin. It has applications in a variety of petfoods to validate flavor and label claims, as well as in other industries as fertilizer or for chitin extraction.

Shrimp Shell Meal is a natural, sustainable feed ingredient. Wild Ocean Pink Shrimp harvested by the Pacific Seafood Group is certified as “sustainable” by the Marine Stewardship Council.

Shrimp Shell Meal is a product of the United States of America. It is traceable with documentation showing source and disposition of all raw material utilized in manufacturing.

TECHNICAL DATA

Guaranteed Analysis

Crude Protein (min)	35.0 %
Crude Fat (min)	1.0 %
Crude Fiber (max)	27.5 %
Ash (max)	40.0 %
Moisture (max)	10.0 %
Calcium (min/max)	12.0 / 16.0 %
Phosphorus (min/max)	3.0 / 4.5 %

Amino Acids (% meal)

Alanine	2.7
Arginine	1.9
Aspartic acid	2.5
Cystine	0.3
Glutamic acid	3.8
Glycine	1.7
Histidine	0.6
Isoleucine	1.1

Leucine	1.5
Lysine	1.6
Methionine	0.5
Phenylalanine	1.1
Proline	1.4
Serine	1.4
Threonine	1.2
Tryptophan	0.2
Tyrosine	1.0
Valine	4.4

Minerals (% meal)

Calcium	14.5
Phosphorus	3.8
Potassium	0.1
Sodium	0.3
Sulfur	0.3
Magnesium	0.7

(mg / kg meal)

Iron	110
Zinc	50
Copper	15
Manganese	10
Arsenic	BDL
Cadmium	BDL
Cobalt	BDL
Molybdenum	BDL
Lead	BDL
Nickel	BDL
Selenium	BDL

Microbial Analysis

Aerobic Plate Count (APC) 100,000 cfu / g

Product Characteristics

Color Pink
 Odor Mild shrimp
 Physical From whole shell to <2.5 mm

Density	Varies depending on size desired
pH	9.5 – 10.0
Storage	Store in a cool, dry place in original packaging
Stability	12 months when appropriately stored
Chitin	Approximately 23.5 %

Packaging

Bulk bags

AAFCO Definition

Shrimp Meal

Processing Statements

Allergen: This product contains crustacean shellfish and is processed in a facility that processes fish

This product is not intended for human consumption

Manufacturer

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*Values for amino acids, minerals, microbial analysis, and product characteristics are typical values.