

# **Crab Shell Meal**

# Dungeness Crab Shell Meal

**Crab Shell Meal** is derived from the fresh cuttings of Dungeness crab (*Metacarcinus magister*) processed for human consumption at inspected, domestic fish processing facilities. The raw material is cooked, de-watered, and dried under low-temperature conditions. It is a concentrated source of minerals, and contains supplemental levels of protein, astaxanthin pigment and chitin. No additives are utilized for processing or preservation.

Crab Shell Meal is a natural ingredient and a product of the United States of America. Fisheries specifically targeting Dungeness crab are our sole source of raw material. It is traceable with documentation showing source and processing of raw material utilized in manufacturing. 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 (min)	22.0 %
Crude Fat (min)	1.5 %
Crude Fiber (max)	20.0 %
Ash (max)	60.0 %
Moisture (max)	10.0 %
Calcium (min/max)	15.0 / 20.0 %
Phosphorus (min/max)	1.0 / 1.8 %

## **Typical Analysis**

Amino Acids	(% meal)
Alanine	0.9
Arginine	1.1
Aspartic acid	1.2
Cystine	0.1
Glutamic acid	1.6
Glycine	1.0



Amino Acids (Continued)	(% meal)
Histidine	0.2
Isoleucine	0.4
Leucine	0.6
Lysine	0.4
Methionine	0.1
Phenylalanine	0.7
Proline	0.8
Serine	0.8
Threonine	0.6
Tryptophan	0.1
Tyrosine	0.8
Valine	4.8

Minerals	(% meal)
Calcium	18.0
Phosphorus	1.4
Potassium	0.2
Sodium	1.8
Sulfur	0.2
Magnesium	0.8

	(mg / kg meal)
Iron	300
Zinc	35
Copper	12
Manganese	12
Boron	10
Arsenic	20
Cadmium	3
Chromium	1.5
Cobalt	BDL
Molybdenum	BDL
Lead	BDL
Nickel	BDL
Selenium	BDL

### **Microbial Analysis**

Aerobic Plate Count 100,000 cfu / g



#### **Product Characteristics**

Color Light brown to off-white

Odor Mild crab

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 9 months when appropriately stored

Chitin Approximately 15.0 %

Packaging 1,500- 2,000 bulk bags

**AAFCO Ingredient Name** Crab Shell 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.

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

#### Manufacturer

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