

Dehydrated Dungeness Crab Shell

For Further Manufacture of Feed or Fertilizer

Dehydrated Crab Shell 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 dehydrated 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.

Dehydrated Crab Shell is consistent in nutrient content and quality and is a natural ingredient 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 disposition of all raw material utilized in manufacturing.

TECHNICAL DATA

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 %

Amino Acids (% meal)

Alanine	0.9
Arginine	1.1
Aspartic acid	1.2
Cystine	0.1
Glutamic acid	1.6
Glycine	1.0
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	BDL
Cadmium	BDL
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	12 months when appropriately stored
Chitin	Approximately 15.0 %

Packaging

2,000 lb bulk bags

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.