



## Crab Shell Meal

### Source, Processing, Description

Fresh crab by-product is sourced from USDA inspected facilities. It is cooked, and the shell separated and dried under low temperature conditions. This meal is a concentrated source of minerals and chitin, and contains a supplemental level of protein.

### Guaranteed Analysis

Protein (min)	14.0%
Fat (min)	0.5%
Fiber (max)	25.0%
Ash (max)	50.0%
Moisture (max)	10.0%

### Freshness

Total Volatile Nitrogen	130 mg N / 100 g meal
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Amino Acids	(% as fed)	(g / 100 g protein)
Alanine	0.9	5.6
Arginine	1.2	7.5
Aspartic Acid	1.5	9.3
Cystine	NA	NA
Glutamic Acid	1.9	11.8
Glycine	1.3	8.1
Histidine	0.4	2.5
Isoleucine	0.6	3.7
Leucine	0.8	5.0
Lysine	0.7	4.3
Methionine	0.3	1.9
Phenylalanine	0.7	4.3
Proline	1.0	6.2
Serine	0.9	5.6
Taurine	NA	NA
Threonine	0.7	4.3
Tryptophan	NA	NA
Tyrosine	0.7	4.3
Valine	0.9	5.6

Minerals	(as-fed)
Calcium	19.0 %
Phosphorus	1.8 %
Potassium	0.2 %
Sulfur	0.2 %
Sodium	2.5 %
Magnesium	0.5 %
Iron	220 mg / kg
Zinc	50 mg / kg
Copper	20 mg / kg

Manganese	20 mg / kg
Chromium	2 mg / kg
Vanadium	BDL
Cadmium	1 mg / kg
Lead	BDL
Cobalt	1 mg / kg
Nickel	BDL
Molybdenum	BDL

**Preservation**

Antioxident	none
Peroxide Value	6.0 meq / kg fat

**Microbial Analysis**

Standard Aerobic Plate Count (SPC)	< 50,000 cfu / g
Salmonella	Negative

**Product Characteristics**

Color	Light brown
Odor	Mild fish
Physical	Free flowing
Density	Approximately 31 lbs / cubic foot
Storage	Store in a cool, dry place
Stability	6 months when appropriately stored

**Packaging**

Available in various size maxi-sacks.

**AAFCO Definition**

Crab by-product meal

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