## KELP MEAL, FLAKES, FLOUR



## **BADGER INGREDIENTS INC & INGREDIENT LOGISTICS LLC**

TYPICAL ANALYSIS: (Approximate %)			
Moisture	Max 13%	CARBOHYDRATES:	10 070/
Crude Protein	Min 4%	Alginic Acid Mannitol	18 – 27%
Crude Fiber	6%	Laminarin	3 – 8%
Ash (Minerals)	Max 23%		2 – 5%
Fat	Min 2.5%	Other Sugars	20 – 22%
Carbohydrates	Min 50%	VITAMINS:	
Carbonydrates	101111 30 76	Biotin	01 01 01
MINERALS:		Carotene	0.1 – 0.4 ppm 30 – 60 ppm
Aluminum (Al)	Max 120 ppm	Folic Acid	0.1 – 0.5 ppm
Barium (Ba)	Max 120 ppm	Niacin	10 – 30 ppm
Beryllium (Be)	10 ax 15 ppm	Riboflavin	5 – 10 ppm
Boron (B)	Min 80 ppm	Thiamin	
Cadmium (Cd)	<1 ppm	Tocophérols	1 – 5 ppm 150 – 300 ppm
Calcium (Ca)	Min 1.2%	Vitamin C	100 – 2000 ppm
Chloride (Cl)	Max 3.5%	Vitamin B <sub>12</sub>	
Chromium (Cr)	1 – 2 ppm	Vitamin K	<0.004 ppm
Cobalt (Co)	1 – 2 ppm <1 ppm	Vitamin K	<10 ppm
Copper (Cu)	Max 2 ppm	AMINO ACID CONTENT:	
lodine (I)	Min 650 ppm	Alanine	0.34%
Iron (Fe)	Min 150 ppm	Arginine	0.34%
Lead (Pb)	<1 ppm	Aspartic Acid	0.22%
Magnesium (Mg)	Min 0.6%	Cystine	0.07%
Magnese (Mn)	Min 25 ppm	Glutamic Acid	0.71%
Mercury (Hg)	<1 ppm	Glycine	0.71%
Molybdenum (Mo)	<2 ppm	Histidine	0.30%
Nickel (Ni)	<2 ppm <1 ppm	Isoleucine	0.26%
Nitrogen (N)	Min 0.6%	Leucine	0.20%
Phosphorus (P)	Min 0.0%	Lysine	0.30%
Potassium (K)	Min 1.5%	Methionine	0.11%
Selenium (Se)	<1 ppm	Phenylalinine	0.24%
Sodium (Na)	Max 3.5%	Proline	0.24%
Strontium (Sr)	100 – 600 ppm	Serine	0.23%
Sulfur (Sp)	Min 1.8%	Threonine	0.25%
Tin (Sn)	<10 ppm	Tryosine	0.12%
Titanium (Ti)	Max 10 ppm	Tryptophan	0.12%
Vanadium (V)	Max 10 ppm	Valine	0.00%
Zinc (Zn)	Min 20 ppm	Valino	0.2770
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