



## ASL™ KELP MEAL AND FLOUR

### TYPICAL ANALYSIS: (Approximate %)

Moisture	Max 13%
Crude Protein	Min 4%
Crude Fiber	6%
Ash (Minerals)	Max 23%
Fat	Min 2.5%
Carbohydrates	Min 50%

### MINERALS:

Aluminum (Al)	Max 120 ppm
Barium (Ba)	Max 15 ppm
Beryllium (Be)	<1 ppm
Boron (B)	Min 80 ppm
Cadmium (Cd)	<1 ppm
Calcium (Ca)	Min 1.2%
Chloride (Cl)	Max 3.5%
Chromium (Cr)	1 – 2 ppm
Cobalt (Co)	<1 ppm
Copper (Cu)	Max 2 ppm
Iodine (I)	Min 650 ppm
Iron (Fe)	Min 150 ppm
Lead (Pb)	<1 ppm
Magnesium (Mg)	Min 0.6%
Manganese (Mn)	Min 25 ppm
Mercury (Hg)	<1 ppm
Molybdenum (Mo)	<2 ppm
Nickel (Ni)	<1 ppm
Nitrogen (N)	Min 0.6%
Phosphorus (P)	Min 0.1%
Potassium (K)	Min 1.5%
Selenium (Se)	<1 ppm
Sodium (Na)	Max 3.5%
Strontium (Sr)	100 – 600 ppm
Sulfur (Sp)	Min 1.8%
Tin (Sn)	<10 ppm
Titanium (Ti)	Max 10 ppm
Vanadium (V)	Max 5 ppm
Zinc (Zn)	Min 20 ppm

### CARBOHYDRATES:

Alginate Acid	18 – 27%
Mannitol	3 – 8%
Laminarin	2 – 5%
Other Sugars	20 – 22%

### VITAMINS:

Biotin	0.1 – 0.4 ppm
Carotene	30 – 60 ppm
Folic Acid	0.1 – 0.5 ppm
Niacin	10 – 30 ppm
Riboflavin	5 – 10 ppm
Thiamin	1 – 5 ppm
Tocopherols	150 – 300 ppm
Vitamin C	100 – 2000 ppm
Vitamin B <sub>12</sub>	<0.004 ppm
Vitamin K	<10 ppm

### AMINO ACID CONTENT:

Alanine	0.34%
Arginine	0.22%
Aspartic Acid	0.53%
Cystine	0.07%
Glutamic Acid	0.71%
Glycine	0.30%
Histidine	0.07%
Isoleucine	0.26%
Leucine	0.38%
Lysine	0.30%
Methionine	0.11%
Phenylalanine	0.24%
Proline	0.25%
Serine	0.27%
Threonine	0.25%
Tyrosine	0.12%
Tryptophan	0.06%
Valine	0.27%

\* This Acadian Seaplants Limited product is a 100% natural organic marine algae product. Although certified laboratory analyses are obtained, they may vary slightly from the typical analysis due to naturally occurring fluctuations in the seaplant due to time of year, geographical location, plant life cycle, nutrient availability due to tidal conditions and tide flow. The information presented above is based on long-term sampling and statistical analysis and is believed to be accurate and reliable. However, Acadian Seaplants Limited, makes no warranty, either express or implied, and assumes no liability for this information and the product described herein. These are averages and are not guaranteed as conditions of sale.

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