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Product and Technical Information

Ascophyllum nodosum KELP MEAL AND FLOUR

ASCOPHYLLUM NODOSUM seaweed, commonly known as Norwegian Kelp, Common wrack or Rockweed, is a brown seaweed which grows along the North Atlantic shorelines of Canada and Europe. Acadian Seaplants harvests the seaweed off the cold, clean coast of Nova Scotia, Canada and processes it under rigorous quality control standards to preserve the maximum benefits of the live seaweed. As this is a 100% natural product, the typical analysis below may vary due to variations in the seaweed.

TYPICAL ANALYSIS	S: (Approximate %)		
Moisture	12.0%	a .	
Crude Protein	6.0%		
Crude Fiber	6.0%	CARBOHYDRATES:	
Ash (Minerals)	22.0%	Alginic Acid	18.0 - 27 0%
Fat	2.0%	Mannitol	3.0 - 8.0%
Carbohydrates	52.0%	Laminarin	2.0 - 5.0%
Total	100.0%	Other Sugars	20.0 - 22.0%
MINERALS:			
Aluminum	20 - 100 ppm	Potassium	2.0 - 3.0%
Arsenic	<3 ppm	Selenium	3 - 4 ppm
Barium	15 - 50 ppm	Sodium	2.4 - 4.0%
Beryllium	<1 ppm	Strontium	100 - 200 ppm
Boron	80 - 100 ppm	Sulphur	2.0 - 2.3%
Cadmium	<1 ppm	Tin	<10 ppm
Calcium	1.0 - 3.0%	Titanium	3 - 6 ppm
Chlorine	1.0 - 3.0%	Vanadium	2 - 5 ppm
Chromium	<1 ppm	Zinc	35 - 100 ppm
Cobalt	1 - 10 ppm	VITAMINS:	
Copper	4 - 15 ppm	Biotin	0.1 - 0.4 ppm
lodine	<1000 ppm	Carotene	30 - 60 ppm
Iron	150-1000 ppm	Folic Acid	0.1 - 0.5 ppm
Lead	<1 ppm	Folinic Acid	0.1 - 0.5 ppm
Magnesium	0.5 - 1.0%	Niacin	10 - 30 ppm
Manganese	10 - 50 ppm	Riboflavin	5 - 10 ppm
Mercury	<.001 ppm	Thiamin	1 - 5 ppm
Molybdenum	<1 ppm	Tocopherols	150 - 300 ppm
Nickel	1 - 5 ppm	Vitamin C	100-2000 ppm
Nitrogen	0.6 - 2.0%	Vitamin B ₁₂	<0.004 ppm
Phosphorus	0.1 - 0.2%	Vitamin K	<10 ppm

AMINO ACID CONTENT (Exp	pressed as g of amino	o acid nitrogen per 100g	of protein nitrogen)
Alanine	5.3	Lysine	4.9
Arginine	8.0	Methionine	0.7
Aspartic Acid	6.9	Phenylalinine	2.3
Cystine	trace	Proline	2.6
Glycine	5.0	Serine	3.0
Glutamic Acid	10.0	Threonine	2.8
Histidine	1.3	Tryptophan	trace
Isoleucine	2.8	Tryosine	0.9
Leucine	4.6	Valine	3.7