



Specialty

Organically Certified (Qai) Milled Kelp (Laminaria Digitata)

Physical Characteristics

	Mesh	Moisture	Ash	Acid Insoluble Ash
Kelp Granules	20/50	6.6-8.8%	43.59%	1.0%
Kelp Powder	50	6.6-8.8%	50.55%	3.1%

Color:	variations of olive green to brown, with lighter flecks
Flavor:	strong marine plant, "salty"
Aroma:	"briny", pungent
Density:	1 cup Granules weighs approx 175g; 1 cup Powder weighs approx 188g
Hydration capacity:	holds 6 times dry weight in water. Increases in volume when wet 3 to 4 times

Nutritional Analysis (typical) Nutritional Data varies seasonally and with moisture content:

Fat	0.6%	B2 (Riboflavin)	5.6 mg/kg
Sat. Fat	0.0%	B3 (Niacin)	288.0 mg/kg
Protein	8.30%	Vit C	167.0 mg/kg

Carbohydrate	44.6%
Fiber: soluble	16.7%
insoluble	15.8%
Calories	243/100g
Aluminum	496.0 mg/kg
Arsenic*	2 ppm
Cadmium	0.24 mg/kg
Calcium	1.4%
Copper	4.0 ppm
Chromium	0.7 mg/kg
Iodine	4,610 mg/kg
Iron	373.0 ppm
Lead	3.9 mg/kg
Magnesium	6.7 mg/kg
Manganese	26.0 ppm
Mercury	0.04 mg/kg
Nitrogen	1.4 mg/kg
Phosphorous	0.22%
Potassium	8.27%
Sodium	3.22%
Sulphur	1.0%
Tin	5.1 ppm
Zinc	12.0 ppm
B1 (Thiamin)	0.6 mg/kg

Amino Acid Analysis

Total Protein	9.5%
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Amino Acids	% of total
Alanine	10.3%
Ammonia	2.11%
Arginine	2.8%
Aspartic Acid	11.5%
Glutamic Acid	12.4%
Glycine	5.0%
Half Cystine	3.00%
Histidine	1.4%
Isoleucine	2.48%
Leucine	4.9%
Lysine	4.3%
Phenylalanine	2.7%
Proline	0.00%
Serine	5.0%
Threonine	6.0%
Tyrosine	3.4%
Valine	3.3%

Continued on Reverse

Organically Certified (Qai) Milled Kelp (*Laminaria Digitata*)

Continued from opposite side

FUCOIDAN Content 1.34%

Chlorophyll (Total) 704 mg/kg**

**476 ppm Chlorophyll a, 117 ppm Chlorophyll b, and 112 ppm Chlorophyll c

Microbial Analysis (Typical)

Aerobes/TPC/g	1000
E. coli (MPN/g)	Negative
Coliforms (MPN/g)	ND
Yeasts/g	<10
Molds/g	50
Salmonella	Negative
Staph. aur.	Negative

Pesticide Screen Analysis

EPA approved method 509B Pesticide Screen:
None Detected

Herbicide Screen Analysis

EPA approved method 509A Herbicide Screen:
None Detected

Hydrocarbon Analysis

Fuel Oil and Gasoline Residue Test M: None
Detected

Storage And Handling

Hydroscopic and photosensitive material: Keep tightly closed and out of sunlight

Optimal storage: cool (30-60 F), dry (50-80 RH), away from other odorous materials

Usable Life: 2 years (whole leaf) 3 years (milled)

Country of Origin

Iceland

*Inorganic Arsenic as determined by Hydride Generation-Gas Chromatography-Atomic Absorption Spectrometry. For more information, ask for our discussion sheet on Arsenic.

Kelp (*Laminaria digitata*) is a wild, uncultivated marine algae. Specific analysis may vary from the above typical analysis. Naturally occurring fluctuations in the sea plant are due to season, weather conditions, tidal flow, and time of harvest. The information presented above is believed to be accurate and reliable, but are averages and not guaranteed as conditions of sale.