

Icelandic Geothermal Kelp – Specifications

Laminaria digitata Certified 100% Organic

PRODUCT DESCRIPTION	
Species	<i>Laminaria digitata</i>
Plant Part	Milled Sea Vegetation (whole thallus)
Processing Method	Sustainable harvest, controlled geothermal low-temperature drying
Country of Origin	Iceland
Primary Active	Phytonutrients, Iodine and other micronutrients
Recommended Daily Serving	50 milligrams*
Particle Size	Granules and Powder
Color	Green
Aroma	Mild marine odor
Taste	Salty
Storage	Dry area
Shelf Life	Best used within 60-months
Sterilization	Not sterilized by irradiation, ETO or heat-based kill step
Packaging	25 kg. (55 lbs.); Multi-walled Kraft bag; easy-pour spout
Certificates	Certified 100% Organic by QAI; Certified Kosher by Star-K

ANALYSIS			
Activity	2500-7500 ppm (0.25 – 0.75%) Iodine		Test Methods
Moisture	NMT 10%		
Ash	NMT 50%		
Lead	NMT 5 ppm	ICP-MS	
Inorganic Arsenic	NMT 30 ppm	IC-ICP-MS	
Cadmium	NMT 1.5 ppm	ICP-MS	
Mercury	NMT 0.05 ppm	ICP-MS	
Microbial	Aerobic Plate Count	<10,000 CFU/g	FDA BAM 3
	Total Coliform	<1,000 CFU/g	FDA BAM 4
	E. coli	N/D (<10 CFU/g)	FDA BAM 4
	Salmonella	Negative (ND/375g)	AOAC-2013.01
	Yeast/Mold	<2,500 CFU/g each	FDA BAM 18

Thorvin contains over 60 minerals, vitamins, amino acids, and beneficial phytonutrients.

Thorvin is a 100% natural organic marine algae product; therefore, a specific laboratory analysis may vary from the typical analysis due to naturally occurring fluctuations in the sea plant. The information presented above is believed to be accurate and reliable; however, Thorvin, Inc. 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.

*Delivers 225 micrograms of Iodine, the FDA (CFR Title 21 Part 172) recommendation for Iodine from kelp.

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Icelandic Geothermal Kelp – Typical Analysis

Laminaria digitata

General (Average %)

Moisture	5.4
Protein	8.3
Crude Fiber	3.5
Total Ash (minerals)	31.0
Fat	0.6
Carbohydrates	51.2
<i>Total</i>	100

Macronutrients (%)

Ca	Calcium	1.4
Cl	Chlorine	9.8
K	Potassium	8.27
Mg	Magnesium	0.67
N	Nitrogen	1.4
Na	Sodium	3.22
P	Phosphorus	0.22
S	Sulfur	1.0

Micronutrients (PPM)

Al	Aluminum	289
Co	Cobalt	4
Cu	Copper	4
Fe	Iron	622
I	Iodine	4687
Mn	Manganese	60
Se	Selenium	0.5
Sn	Tin	6.5
Zn	Zinc	12

VITAMINS (PPM)

B ₁	Thiamin	0.6
B ₂	Riboflavin	5.6
C	Ascorbic Acid	167.0

AMINO ACIDS (% OF TOTAL AMINO ACIDS)

Alanine	10.3	Leucine	4.9
Arginine	2.8	Lysine	4.3
Aspartic Acid	11.5	Phenylalanine	2.7
Cystine	3.0	Serine	5.0
Glycine	5.0	Threonine	6.0
Glutamic Acid	12.4	Tyrosine	3.4
Histidine	1.4	Valine	3.3
Isoleucine	2.5		

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Ingredients: Certified 100% Organic Seaweed Meal

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