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Icelandic Geothermal Kelp – Specifications

Ascophyllum nodosum Certified 100% Organic

PRODUCT DESCRIPTION	
Species	<i>Ascophyllum nodosum</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
Particle Size	Flakes, Granules and Powder
Color	Green
Aroma	Mild marine odor
Taste	Salty
Storage	Dry area
Shelf Life	Best used within 36-months
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	600-1200 ppm (0.06 – 0.12%) Iodine		Test Methods
Moisture	NMT 10%		
Ash	NMT 45%		
Lead	NMT 5 ppm		
Inorganic Arsenic	NMT 1 ppm		ICP-MS
Cadmium	NMT 2.0 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/25g)	AOAC-989.09
	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.

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 THOR-IGK-ASCO-SPEC-20618



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Icelandic Geothermal Kelp – Typical Analysis

Ascophyllum nodosum

General (Average %)	
Moisture	9.0
Protein	8.5
Crude Fiber	4.0
Total Ash (minerals)	29.0
Fat	2.0
Carbohydrates	47.5
<i>Total</i>	100.00

Macronutrients (%)			Micronutrients (PPM)		
Ca	Calcium	2.1	Al	Aluminum	289
Cl	Chlorine	6.5	B	Boron	98
K	Potassium	2.7	Co	Cobalt	4
Mg	Magnesium	0.85	Cr	Chromium	0.8
N	Nitrogen	1.4	Cu	Copper	4
Na	Sodium	4.0	Fe	Iron	622
P	Phosphorus	0.3	I	Iodine	780
S	Sulfur	2.8	Mn	Manganese	60
VITAMINS (PPM)			Mo	Molybdenum	2
A	Retinol	390 ppb	Se	Selenium	0.5
B ₂	Riboflavin	4.9 ppm	Sn	Tin	6.5
B ₃	Niacin	182.6 ppm	Zn	Zinc	12
C	Ascorbic Acid	375 ppm			
D	Cholcalciferol	150 ppb			
E	Alph-tocopherol	110 ppm			

AMINO ACIDS (% OF TOTAL AMINO ACIDS)			
Alanine	5.52	Lysine	4.24
Arginine	5.47	Methionine	1.07
Aspartic Acid	9.88	Phenylalanine	3.54
Cystine	1.49	Proline	3.71
Glycine	5.70	Serine	4.92
Glutamic Acid	12.03	Threonine	4.60
Histidine	1.29	Tryptophan	1.68
Isoleucine	3.26	Tyrosine	3.52
Leucine	5.63	Valine	3.51

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Ingredients: Certified 100% Organic Seaweed Meal

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 THOR-IGK-ASCO-TA-020618