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Thorvin 1000 - Specifications

High-I Kelp Blend *Certified 100% Organic*

PRODUCT DESCRIPTION

Species	<i>Ascophyllum nodosum and Laminaria digitata</i>
Plant Part	Milled Sea Vegetation (whole thallus)
Processing Method	Sustainable harvest, controlled geothermal low-temperature drying
Primary Active	Phytonutrients, Iodine and other micronutrients
Particle Size	Granules (10/70 mesh)
Color	Green
Aroma	Mild marine odor
Taste	Salty
Storage	Dry area
Shelf Life	Best used within 36 months
Packaging	50 lb. Kraft bag or bulk tote
Certificates	Certified 100% Organic by QAI

ANALYSIS

Activity	1000 – 1400 ppm (0.10 – 0.14%) Iodine	Test Methods	
Moisture	NMT 10%		
Ash	NMT 45%		
Lead	NMT 5 ppm	ICP-MS	
Inorganic Arsenic	NMT 3 ppm	IC-ICP-MS	
Cadmium	NMT 2.0 ppm	ICP-MS	
Mercury	NMT 0.05 ppm	ICP-MS	
Microbial	Aerobic Plate Count	<100,000 CFU/g	FDA BAM 3
	Total Coliform	<1,000 CFU/g	CMMEF 8.7
	E. coli	Negative (ND/50g)	FDA BAM 4
	Salmonella	Negative (ND/50g)	AOAC-RI960801
	Yeast/Mold	<5,000 CFU/g	CMMEF 20.5

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 seaplant. 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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 T1000-SPEC-020322

Thorvin 1000™ – Typical Analysis

High-I Kelp Blend

General (Average %)

Moisture	8.6
Protein	8.5
Crude Fiber	3.9
Total Ash (minerals)	29.0
Fat	1.9
Carbohydrates	48.1
<i>Total</i>	100.00

Macronutrients (%)

Ca	Calcium	2.0
Cl	Chlorine	6.8
K	Potassium	3.26
Mg	Magnesium	0.83
N	Nitrogen	1.4
Na	Sodium	3.92
P	Phosphorus	0.29
S	Sulfur	2.6

MICRONUTRIENTS (PPM)

Al	Aluminum	310.0
Co	Cobalt	3.8
Cu	Copper	4.0
Fe	Iron	597.0
I	Iodine	1170.0
Mn	Manganese	56.6
Se	Selenium	1.2
Sn	Tin	6.4
Zn	Zinc	12.0

VITAMINS (PPM)

B ₂	Riboflavin	5.0
C	Ascorbic Acid	354

AMINO ACIDS (% OF TOTAL AMINO ACIDS)

Alanine	6.0	Lysine	4.2
Arginine	5.2	Phenylalanine	3.5
Aspartic Acid	10.0	Proline	3.3
Cystine	1.6	Serine	4.9
Glycine	5.6	Threonine	4.7
Glutamic Acid	12.1	Tryptophan	1.5
Histidine	1.3	Tyrosine	3.4
Isoleucine	2.9	Valine	3.3
Leucine	5.6		

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Ingredients: Dried Kelp* (*Ascophyllum nodosum* & *Laminaria digitata*)

*USDA Certified 100% Organic

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T1000-TA-020322