

## **Thorvin for Animals – Specifications**

## Certified 100% Organic

PRODUCT DESCRIPTION				
Species	Ascophyllum nodosum			
Plant Part	Milled Sea Vegetation (whole thallus)			
Processing Method	Sustainable harvest, controlled geothermal low-temperature drying			
Primary Active	Phytonutrients, lodine and other micronutrients			
Particle Size	Granules and powder			
Color	Green			
Aroma	Mild marine odor			
Taste	Salty			
Storage	Dry area			
Shelf Life	Best used within 36-months			
Packaging	50 or 55-lb. Kraft bag, or in bulk tote			
Certificates	Certified 100% Organic by QAI			

ANALYSIS							
Activity	600 – 1200 ppm (0.06	– 0.12%) lodine					
Moisture	NMT 10%		Test Methods				
Ash	NMT 45%						
Lead	NMT 5 ppm		ICP-MS				
Inorganic Arsenic	NMT 1 ppm		IC-ICP-MS				
Cadmium	NMT 2.0 ppm		ICP-MS				
Mercury	NMT 0.05 ppm		ICP-MS				
	Aerobic Plate Count	<100,000 CFU/g	FDA BAM 3				
Microbial	Total Coliform	<1,000 CFU/g	CMMEF 8.7				
WICTODIAL	E. coli	N/D (<3 CFU/g)	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.



## **Thorvin for Animals – Typical Analysis**

General (Average %)								
Moist	ture		9.0					
Protein			8.5					
Crude Fiber			4.0					
Total Ash (minerals)			29.0					
Fat			2.0					
Carbohydrates (Nitrogen-free extracts) 47.5								
		То	tal 100.0					
	Macronutrie	nts (%)		Micronutrient	s (PPM)			
Са	Calcium	2.1	Al	Aluminum	289			
Cl	Chlorine	6.5	В	Boron	98			
К	Potassium	2.7	Со	Cobalt	4			
Mg	Magnesium	0.85	Cr	Chromium	0.8			
Ν	Nitrogen	1.4	Cu	Copper	4			
Na	Sodium	4.0	Fe	Iron	622			
Р	Phosphorus	0.3	I	Iodine	780			
S	Sulfur	2.8	Mn	Manganese	60			
			Мо	Molybdenum	2			
VITAMINS			Se	Selenium	0.5			
А	Retinol	390 ppb	Sn	Tin	6.5			
B <sub>2</sub>	Riboflavin	4.9 ppm	Zn	Zinc	12			
B <sub>3</sub>	Niacin	182.6 ppm						
С	Ascorbic Acid	375 ppm						
D	Cholcalciferol	150 ppb						
Е	Alpha-tocophero	110 ppm						
Amino Acids (% of Total Amino Acids)								
Alani	ne	5.52	Lysine	4	4.24			
Argin	ine	5.47	Methioni	ne :	1.07			
Aspai	rtic Acid	9.88	Phenylala	inine	3.54			
Cystir	ne	1.49	Proline		3.71			
Glycine		5.70	Serine		4.92			
Glutamic Acid		12.03	Threonine	e 4	4.60			
Histic	line	1.29	Tryptoph	Tryptophan 1.68				
Isoleucine		3.26	Tyrosine	Tyrosine 3.52				
Leucine		5.63	Valine	3	3.51			
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Ingredients: Dried Kelp\* (*Ascophyllum nodosum*) \*USDA Certified 100% Organic

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