

Thorvin

Certified Organic
Ascophyllum nodosum
Typical Analysis

Ingredients: Certified Organic dried marine algae sea vegetation, species Ascophyllum nodosum, a product of Iceland.

General (Average %)	
Moisture	09.0
Crude Protein	08.5
Crude Fiber	04.0
Total Ash (minerals)	29.0
Fat	02.0
Carbohydrates (nitrogen free extracts)	<u>47.5</u>
Total	100.0

Major Elements		
Ca	Calcium	2.1%
Cl	Chlorine	6.5%
K	Potassium	2.7%
Mg	Magnesium	0.85%
N	Nitrogen	1.4%
Na	Sodium	4.0%
P	Phosphorus	0.3%
S	Sulphur	2.8%

Minor Elements (parts per million – ppm)		
Al	Aluminum	289
As	Arsenic (FCC)	<3
B	Boron	98
Cd	Cadmium	1
Co	Cobalt	4
Cr	Chromium	0.8
Cu	Copper	4
Fe	Iron	622
Hg	Mercury	0.4
I	Iodine	780
Mn	Manganese	60
Mo	Molybdenum	2
Pb	Lead	<5
Se	Selenium	0.3
Sn	Tin	6.5
Zn	Zinc	12

Vitamins			
A	Retinol	390	ppb
B2	Riboflavine	4.9	ppm
B3	Niacin	182.6	ppm
C	Ascorbic Acid	375	ppm
D	Cholcalciferol	150	ppb
E	Alphatocopherol	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

Thorvin Kelp 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 Kelp, USA 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