

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 |

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