



TECHNICAL NOTES

Seaweed Meal



ACTIVE INGREDIENTS: Seaweed Meal *Ascophyllum nodosum*

DESCRIPTION: *Ascophyllum nodosum* seaweed has been used for centuries as a natural source feed supplement. Today, thanks to modern processing technology, the benefits of *Ascophyllum nodosum* seaweed are available in cost-effective dried granular form which can be conveniently added into the regular feeding program.

Commonly known as Norwegian Kelp or Rockweed, *Ascophyllum nodosum* seaweed is widely recognised to be the richest marine plant for agricultural use. This unique seaweed grows exclusively on the North America and Europe, and is particularly abundant on the North Atlantic coast of Canada. *Ascophyllum nodosum* contains over 60 minerals and elements, more than 12 vitamins, including Carotene, Tocopherol and Folic acid; valuable carbohydrates including Alginic acid, Laminarin and Mannitol, as well as a full range of amino acids.

CODE & PACK SIZE:

VAL7300	1kg
VAL7301	2kg
VAL7303	5kg

DIRECTIONS FOR USE: This product is supplied as a raw material only. Please refer to your animal health specialist for advice specific to your needs.

TYPICAL ANALYSIS*:

(Average %)

Moisture 13.0%
Crude protein 6.0%
Crude fibre 6.0%
Ash (Minerals) 22.0%
Fat 3%
Carbohydrates 50.0%
Total 100%

Minerals

Al (Aluminium) 50-150 ppm
B (Boron) 80-100 ppm
Ba (Barium) 15-50 ppm
Be (Beryllium) <1 ppm
Ca (Calcium) 1.03-3.0%
Cd (Cadmium) <1 ppm
Cl (Chloride) 1.0-3.0%
Co (Cobalt) <1 ppm
Cr (Chromium) 1-2 ppm
Cu (Copper) 1-10 ppm
Fe (Iron) 100-500 ppm
I (Iodine) <1000 ppm
K (Potassium) 1.5-2.5%
Mg (Magnesium) 0.5-1.0%
Mn (Manganese) 10-50 ppm
Mo (Molybdenum) <2 ppm
N (Nitrogen) 0.5-2.0%
Na (Sodium) 2.4-3.0%
Ni (Nickel) <1 ppm
P (Phosphorus) 0.1-0.2%
Pb (Lead) <1 ppm
S (Sulphur) 2.0-2.3%
Se (Selenium) 3-4ppm
Sn (Tin) <10 ppm
Sr (Strontium) 100-600 ppm
Ti (Titanium) 1-10 ppm
V (Vanadium) 2-6 ppm
Zn (Zinc) 10-50 ppm

Carbohydrates

Alginic acid 18.0-27.0%
Mannitol 3.0-8.0%
Laminarin 2.0-5.0%
Other sugars 20.0- 22.0%

Vitamins

Biotin 0.1-0.4 ppm
Carotene 30-60 ppm
Folic acid 0.1-0.5 ppm
Folnic acid 0.1-0.5%
Niacin 10-30 ppm
Riboflavin 5-10 ppm
Thiamin 1-5 ppm
Tocopherols 150-300 ppm
Vitamin B <0.004 ppm
Vitamin C 100-2000 ppm
Vitamin K <10 ppm

Amino Acid Content

(expressed as g of amino acid nitrogen per 100g of protein nitrogen)

Alanine 5.3
Arginine 8.0
Aspartic Acid 6.9
Cystine trace
Glycine 5.0
Glutamic Acid 10.0
Histidine 1.3
Isoleucine 2.8
Lauine 4.6
Lysine 4.9
Methionine 0.7
Phenylalanine 2.3
Proline 2.6
Serine 3.0
Threonine 2.8
Tryptaphan trace
Trysine 0.9
Valine 3.7

*Seaweed Meal is a 100% natural product, hence typical analysis will vary due to naturally occurring fluctuations in the seaweed.

This product is manufactured in a HACCP (Hazard Analysis and Critical Control Point) accredited facility. All information is as accurate and up to date as possible. Since Zoo Pets Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Zoo Pets Pty Ltd will not be responsible for damages of any nature resulting from use of or reliance upon this information. No expressed or implied warranties are given other than those implied mandatorily by Federal, State or Territory Legislation. © Zoo Pets Pty Ltd 2016.

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