



TECHNICAL NOTES

Seaweed Meal *Ascophyllum nodosum*

INGREDIENTS: Seaweed Meal *Ascophyllum nodosum*
DESCRIPTION: *Antioxidant-rich prebiotic feed ingredient.*

Ascophyllum nodosum helps increase the utilisation of all ingredients in the complete feed ration, beneficial for the overall health and performance of animals.

Ascophyllum nodosum contains over 60 minerals and elements, more than 12 vitamins, including Carotene, Tocopherol and Folic Acid: valuable carbohydrates including Alginate, Laminarin and Mannitol, as well as a full range of amino acids.

CODE & PACK SIZE:

VAL7300	1kg
VAL7301	2kg
VAL7303	5kg

GRADE: Feed Grade

COUNTRY OF ORIGIN: Canada

TYPICAL USES:

Seaweed Meal as a supplement helps increase the utilisation of all the ingredients in the complete feed ration

Horses:

- May increase fertility in broodmares.
- May reduce incidence of cracked hooves.
- Increase immunity and reduce healing time.

Poultry- Layers and Breeder:

- May increase hatchability of eggs.
- Reduce blood spots.
- Increase iodine content of eggs.
- Increase yolk pigmentation.
- More uniform shell texture and reduce breakage.
- **Increased laying period in older hens**

Dogs and cats

- May be beneficial for dental health maintenance in dogs and cats.

GENERAL FEEDING GUIDE:

As Seaweed Meal contains the highest plant source of iodine which can affect thyroid balance, it is not advised to feed to animals with hyperthyroid disease.

HORSES & LIVESTOCK

Seaweed meal is usually mixed with complete rations at 1% to 2% of total diet. Can be top dressed or mixed into food.

POULTRY

Seaweed meal is usually mixed with complete rations at a 1-2% of total diet. Can be top dressed or mixed into food.

DOGS

Small - 160mg to 320mg (1/16 to 1/4 teaspoon) added to food or as directed by a veterinarian.

Medium - 320mg- 640mg (1/8 to 1/4 teaspoon) added to food or as directed by a veterinarian.

Large - 640mg to 1280mg (1/4 to 1/2 teaspoon) added to food or as directed by a veterinarian.

Fresh clean drinking water should always be available.

Crooked Lane Harvest products are a range of nutritional supplements for inclusion in animal's feed. Listed amounts are a guide only and have been prepared in consultation with a veterinarian with over 40 years' experience in animal nutrition and product development. For specific health concerns, always seek advice from a veterinarian or health care professional.

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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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
Folinic 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
Lauicine 4.6
Lysine 4.9
Methionine 0.7
Phenylalanine 2.3
Proline 2.6
Serine 3.0
Threonine 2.8
Tryptaphan trace
Tryosine 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.

STORAGE: Store in a cool, dry area, away from direct sunlight; RH 70% max. Once opened, re-seal the pouch to retain freshness and quality.

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