

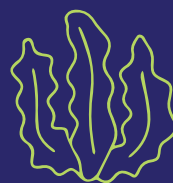


AlgaFlex SD for Animal Feed

Fucoidan rich soluble seaweed powder Certified by FEMAS

AlgaFlex SD is made by spray drying Biotechnica's certified organic AlgaFlex 30 liquid seaweed concentrate, which is derived from an aqueous extract of *Ascophyllum Nodosum*. This brown kelp seaweed species is hand-harvested from the cold coastal waters of the Atlantic Ocean. AlgaFlex SD retains all the advanced bioactive properties of liquid AlgaFlex 30, and can be used by mixing with water and/or other animal feed ingredients prior to application.

Ascophyllum nodosum, a type of brown seaweed, is a popular feed additive for ruminants, pigs, and poultry due to its high fucoidan (sulfated polysaccharide) content and its associated antioxidant properties. We only use a neutral aqueous extraction process of *Ascophyllum nodosum* to obtain a naturally organic product exhibiting a range of health promoting properties stemming from its high **polyphenol**, **fucoidan** and other **polysaccharides** content. In addition to the health properties, the high alginic acid content (>24%) contributes to the seaweed's high viscosity and gel-forming ability reducing dust formation in the pelletisation process.





Benefits:

In the context of animal feed, AlgaFlex SD provides several benefits:

1. Gut Health Improvement: AlgaFlex SD can enhance gut health by promoting the growth of beneficial gut microbiota. This helps in maintaining a balanced gut flora, which is crucial for efficient digestion and nutrient absorption.
***Research in Seaweeds in Pig Nutrition**
2. Anti-inflammatory Properties: AlgaFlex SD has anti-inflammatory properties that can reduce gut inflammation, improving the overall health and well-being of animals.
3. Immune System Support: The presence of bioactive compounds in AlgaFlex SD can stimulate the immune system, making animals more resistant to infections and diseases.
4. High viscosity and gel-forming ability reducing dust formation in the pelletisation process.

We guarantee:

Fucoidan	> 18%
Phlorotannins	> 4%
Alginic acid	> 24%
Mannitol	> 8.9%

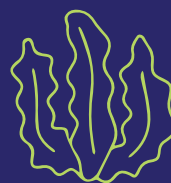
Physical and Chemical Properties

(Properties will vary due to conditions at time of harvesting. A full analysis of the batch purchased is available on request)

Appearance Brown coloured fine powder

Typical pH (1% in water) 4.7

Moisture content 95%





Typical analysis (Dry sample)

Dry matter (w/w)	95%
Organic matter (LOI) (w/w)	70.6%
Organic carbon (w/w)	30%
pH 1:6 (fresh)	4.7
Total nitrogen (w/w)	0.3%
Phosphorus (P2O5) (w/w)	0.1%
Potassium (K2O) (w/w)	3.8%
Calcium (Ca) (w/w)	0.7%
Magnesium (MgO) (w/w)	1.1%
Sulphur (SO3) (w/w)	2.9%
Sodium (Na2O) (w/w)	5.7%
Zinc (Zn) (mg/kg)	23.8
Copper (Cu) (mg/kg)	<1

Reconstitution in water

To reconstitute AlgaFlex SD in water typically use 300 grams per 1 litre of water and stir until properly dissolved.

Our products have received the following certifications:



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