



TYPICAL ANALYSIS
(Product Code: 1850201)

Product Name:

General Description	Natural Phytocomplex
Botanical Name	<i>Ascophyllum nodosum</i>
Botanical Family	<i>Fucaceae</i>
Part of plant used	<i>Thallus</i>
Grade	Food Grade
Application	Functional Foods Ingredient & Food Supplement Ingredients
Odour & Taste	Typical for dried and ground seaweed
Particle size	Min. 90% through a 200 µm sieve
Country of origin	Norway

Physical / Chemical Properties:

	Results (Average Value)	Units	Method
Appearance	Olive Green Powder	-	Internal
Moisture	6.9	%	A.O.A.C. 967.19
Total Ash	14.3	%	A.O.A.C. 930.04
Apparent Density	0.8-1.0	g/ml	Internal
Solubility in Water	Not Applicable	-	-
Solubility in Solvent	Not Determined	-	-

Assay:

	Results (Average Value)	Units	Method
Iodine (I)	300	mg/kg	ICP-MS
Alginic Acid	20	%	Gravimetric White Method
Fuoidan	9	%	Internal HPLC-DAD
Polyphenols (as Phloroglucinol)	6	%	Folin-Ciocalteu Method
Phlorotannins (as Phloroglucinol)	5.5	%	Folin-Ciocalteu Method

Heavy Metals:

	Results	Units	Limits	Method
Lead (Pb)	0.15-0.30	mg/kg	<3.0	ICP-MS
Mercury (Hg)	0.01-0.05	mg/kg	<0.1	ICP-MS
Cadmium (Cd)	0.03-0.5	mg/kg	<1.0	ICP-MS
Arsenic (As)	10-30	mg/kg	<40	ICP-MS

* 99% Organic Arsenic

Pesticides:

Determination according to EPA 1613 B 1994 and EPA 1668 A 1999: CONFORMABLE

Radioactivity:

Determination according to IAEA 1287 EURATOM 3854/87 EURATOM 2218/89: CONFORMABLE

Micotoxins:

	Results	Units	Limits	Method
Aflatoxin B1	<0.5	µg/kg	<5	MP 0075 rev 6 2006
Total Aflatoxins (B1,B2,G1,G2)	<0.5	µg/kg	<10	MP 0075 rev 6 2006

Microbiology:

	Results	Units	Limits	Method
Yeasts and Moulds	<10	ufc/g	<1000	ISO 21527-2:2008
Microbial Charge at 30°C	4800	ufc/g	<10000	ISO 4833:2003
Salmonella	absent	Abs/pre in 25 g	Absent in 25 g	ISO 6579:2002/corr 1 2004
Escherichia coli	<10	ufc/g	<100	ISO 16649-2:2001
Enterobacteriaceae	<10	ufc/g	<100	ISO 21528-2:2004
Staphylococcus coag+	<10	ufc/g	<100	ISO 6888-1:1999/ADM 1 2003

The product contains also:

Proteins, Fibers, Lipids, Calcium, Sodium, Magnesium, Sulfur, Nitrogen, Potassium, Phosphorus, Iron, Manganese, Zinc, Copper, Vitamins (C, H, A, B9, B2, B1, E, B12) – See Product Composition Sheet

Extraction solvent (Residual):

The product is solvent -free

Silica:

<0.2 g/100 g

Retest Date:

2 year from the date printed on package

Storage:

Keep the product in well closed containers and protect from light and humidity

GMO:

The product is GMO- free

Allergens:

During the harvesting process, different species of crustaceans, fish and mollusks may enter accidentally in contact with the seaweed

BSE/TSE:

The product does not contain animal material, therefore the question of BSE is not relevant

Remarks:

The analysis reported in this document are based on batch sample analyses, and the product has been analysed only for the test reported here. Algea (A.S.) is not responsible for any other test required when using this product for a specific different purpose. Analysis results stated on this document come from tests done and from historical data provided by our HACCP self-control plant.

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