

# ALGEA<sup>®</sup> FOOD PHYTO MICRO

## PRODUCT COMPOSITION SHEET (Product Code: 1860201)

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 125 µm sieve
Country of Origin	Norway
Pack Size	1 Kg

Fiber, lipids, proteins, aminoacids					
	Mean Value	Units	Min Value	Max Value	Method
Total Dietary Fiber	55	%	40	70	A.O.A.C. 985.29
Soluble Dietary Fiber	35.5	%	23	48	A.O.A.C. 985.29
Insoluble Dietary Fiber	20	%	17	22	A.O.A.C. 985.29
Crude Lipids	3	%	2	4	REG CE 152/09
Crude Proteins	6	%	4	8	Kjeldahl Method
Total Aminoacids	6	%	3	10	HPLC-FL

Oligoelements					
	Mean Value	Units	Min Value	Max Value	Method
Calcium	3.0	%	1.5	4.5	ICP-OES
Sodium	2.5	%	2	3	ICP-OES
Magnesium	0.12	%	0.05	0.2	ICP-OES
Potassium	2.2	%	1	3	ICP-OES
Nitrogen	1.0	%	0.7	1.4	Kjeldahl Method
Sulfur	2.5	%	1	3	ICP-OES
Phosphorus	777	mg/kg	300	1000	ICP-OES
Iron	655	mg/kg	300	1000	ICP-MS
Manganese	27	mg/kg	10	40	ICP-MS
Zinc	45	mg/kg	10	100	ICP-MS
Copper	2	mg/kg	traces	3	ICP-MS
Selenium	0.1	mg/kg	traces	0.5	ICP-MS
Molybdenum	2	mg/kg	traces	3	ICP-MS

Vitamins:					
	Mean Value	Units	Min Value	Max Value	Method
Ascorbic Acid (Vitamin C)	59	mg/kg	30	100	HPLC-DAD

Carotene (Vitamin A)	20	mg/kg	10	30	HPLC-DAD
Tocopherols (Vitamin E)	20	mg/k g	10	30	HPLC-DAD

<b>Others:</b>			
	<b>Results</b>	<b>Units</b>	<b>Method</b>
Fucoxanthin	10	mg/Kg	LC-MS-MS Internal Method
Fucosterol	1000	mg/Kg	LC-MS-MS Internal Method
Fatty Acids	1	%	LC-MS-MS Internal Method
Omega-3	3000	mg/kg	GC-FID
Omega-6	8500	mg/kg	GC-FID

**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.

Valagro Business Innovation Department (on behalf of Algea A.S.)

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