

ECO-CERTIFIED ALGAE MEAL TECHNICAL SHEET

ORIGIN: Dry refined protein extract of marine macroalgae (*Chondrus* spp., *Gracillaria* spp., *Ulva* spp.). Registered in the Galician Council for Ecological Agriculture with n° 426/2017.

GENERAL CHARACTERISTICS: 100% vegetal marine origin with very low impurities (triple freshwater wash in vertical cyclone). Rich in natural pigments, macro and micromineral content. Strong antioxidant effect.

PROXIMATE COMPOSITION (Average values):

Humidity	IPC04-18	7,44 %
Gross protein	IPC04-57	30,4 %
Ash	IPC04-19	7,63 %
Starch	IPC04-901	2,34 %
Neutral Detergent Fiber	IPC04-62	66,1 %
Acid Detergent Fiber	IPC04-62	46,7 %
Lipids (Hydrolysis)	IPC04-10	1,6 %
Chloride	IPC04-94	0,12 %

NATURAL CAROTENOIDS (Average values): 7 mg/Kg

β -Carotene	21,4% [2,18 mg/Kg]
α , β Cryptoxanthin	5,13% [0,36 mg/Kg]
Lutein	38,48% [2,69 mg/Kg]
T-Zeaxanthin	3,95% [0,28 mg/Kg]
Yellow Xanthophylls	31,11% [2,18 mg/Kg]

MACRO/MICROMINERALS (Average values):

Calcium	2,5%	Iron	1500-2000	ppm	Cadmium	0,60 ppm
Sodium	0,3%	Zinc	350-450	ppm	Lead	4,0 ppm
HCl insoluble Ash	0,95-1,10%	Manganese	150-200	ppm	Iodine	>10 ppm
Potassium	0,2%	Copper	10-20	ppm		
Magnesium	0,43%	Arsenic	<0,8	ppm		
Phosphorous	0,41%	Mercury	<0,1	ppm		

AMINOACID PROFILE (% Total)

Proline	11.2	Leucine	1.35
Glicine+Treonine	2.3	Serine	1.2
Aspartic acid	2.0	Alanine	1.12
Glutamic acid	1.87	Phenylalanine	1.1
Lisine	1.7	Valine	0.96
Arginine	1.5	Isoleucine	0.87

MICROBIOLOGY

<i>Escherichia coli</i>	<10 UFC/g	<i>Salmonella</i> spp.	Negative	UFC/25 g
Staphylococcus, DNA-sa, coagulase, thermonuclease	<10			UFC/g
Moulds	<10 UFC/g	<i>Clostridium perfringens</i>	<10	UFC/g
Yeast	<10 UFC/g	Pesticides (125 multitest)	Negative	

FORMAT

Dark green/brown coarse meal packed in approx. 800 Kg bigbags over europallet with batch-specific EU/ECO certificate of origin and proximate analysis. Trading register n° CRAEGA GA/02944/CO.

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