



ECKLONIA MAXIMA
TYPICAL PRODUCT SPECIFICATION – DRIED KELP

1-3 mm



10-30 mm



ANALYSIS

Moisture	11.4%
Ash	24,97 g / 100g
Fat	0,34 g / 100g
Fibre	15,54 g / 100g
Protein (N x 6,25)	10,37 g / 100g
Carbohydrates	44,6 g / 100g
Vitamin B1	0,16 mg / 100g
Vitamin B2	0,08 mg / 100g
Nicotinic Acid	2,32 mg / 100g

ALKALI METALS

Calcium	5,44 g / 100g
Potassium	1,84g / 100g
Sodium	1,55 g / 100g

NON METALS

Selenium	0,18 mg / 100g
Sulphur	1,00 g / 100g
Chlorine	1,05 g / 100g
Phosphorus	100 mg / 100g

AMINO ACIDS

Histidine	0,14 g / 100g
Lysine	0,72 g / 100g
Phenylalanine	0,59g / 100g
Methionine	0,18 g / 100g
Threonine	0,61 g / 100g
Leucine	0,81 g / 100g
Isoleucine	0,49 g / 100g
Valine	0,64 g / 100g
Arginine	0,46 g / 100g
Tyrosine	0,46 g / 100g
Cystine	Traces
Glycine	0,63 g / 100g
Serine	0,55 g / 100g
Glutamic Acid	1,25 g / 100g
Aspartic Acid	1,34 g / 100g
Alanine	0,80 g / 100g
Proline	0,67 g / 100g

HEAVY METALS

Strontium (Sr)	343,12 ppm
Cadmium (Cd)	0,86 ppm
Cobalt (Co)	3,79 ppm
Chromium (Cr)	3,79 ppm
Iron (Fe)	431,20 ppm
Manganese (Mn)	6,71 ppm
Nickel (Ni)	5,01 ppm
Lead (Pb)	1,00 ppm
Zinc (Zn)	6,31 ppm
Sulphate (SO4)	7,50 ppm
Iodine (I)	4700,0 ppm
Arsenic (As)	22,10 ppm
Mercury (Hg)	< 0.05 ppm
Boron	130.47 mg / kg
Copper (Cu)	1.00 mg / kg

COMMODITY/HARMONIZED CODE: 1212.00.00



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Production Process

Dried Ecklonia Maxima



1 RAW MATERIAL COLLECTION



Beach-cast Ecklonia maxima - kelp that has washed ashore naturally—is harvested manually. As a result, live kelp beds are neither targeted nor disturbed in our production process.

2 DRYING



The unprocessed kelp is naturally sun-dried without the use of heat-intensive machinery.

3 SHREDDING (5-25 MM)



Once dried, the kelp is mechanically shredded into standardized sizes (5-25 mm) according to customer specifications.

4 SIEVING AND FILTRATION



The material is screened to ensure uniform particle size and to remove oversize or undersize material, as well as residual sand, shells, and other non-seaweed debris.

5 SECONDARY SHREDDING (<1 MM)



For customers requiring finer material, the 5-25 mm chips are reprocessed to achieve particle sizes below 1 mm.

6 QUALITY CONTROL & PACKAGING

The final product undergoes testing to ensure:

Moisture content is within specification (typically <15%) to prevent spoilage.

Heavy metals are within acceptable limits.

Dried seaweed is packed in 20-30 kg polypropylene bags based on customer requirements.



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