

SEA CUCUMBER EXTRACT – POWDER

Product Specification

Description:

Made from Sea Cucumber (Cucumaria Frondosa) harvested around Iceland. Provides a high-purity, bio-active ingredient with excellent organoleptic properties for use in a wide range of health and nutrition applications.

Physical Properties

Physical Properties	Specifications
Color	Brown
Odor	Mild
Taste	Mild Sea Taste
Gel bloom	0 bloom
aw	< 0,5
Ash	15 g/100g

Microbiology

Microbiology	Specifications
Aerobic microbial count	< 10.000 CFU/g
Coliforms (30°C)	< 10 CFU/g
Coliforms (44.5°C)	Absent
Sulphite-reducing anaerobic spores	Absent
Salmonella	Absent
Clostridium perfringens	Absent
Staphylococcus aureus	Absent

Fatty acids

Fatty acids	Specifications (%)
Saturated fatty acids	12.5
Monounsaturated fatty acids	46.5
Polyunsaturated fatty acids	40.5
- EPA	32.5
- DHA	1.9
- Total omega-3	37.9
- Total omega-6	2.4
Trans fatty acids	0.5

Chemical properties

Chemical properties	Specifications
Inorganic arsenic (As)	2.0 ppm
Cadmium (Cd)	1.5 ppm
Mercury (Hg)	0.013 ppm
Lead (Pb)	0.014 ppm
Chromium (Cr)	2.16 ppm
Copper (Cu)	1.77 ppm
Iron (Fe)	71.1 ppm
Zinc (Zn)	53.3 ppm
Boron (B)	25 ppm
Manganese (Mn)	2.25 ppm
Nickel (Ni)	0.652 ppm
Selenium (Se)	3.53 ppm

Minerals

Minerals	Specifications (%)
Sodium (Na)	5.0
Potassium/Kalium (K)	0.9
Calcium (Ca)	0.45
Phosphorus (P)	0.57
Magnesium (Mg)	0.67

Nutrition

Nutrition	Specifications (per 100g)
Calories	332 Kcal
Protein (N x 6.25)	49.5 g
Fatty acids	9.92 g
Carbohydrates	11.2 g

Vitamins

Vitamins	Specifications
Pantothenic acid	2.05 mg/100g
Folic acid	111 µg/100g
Boron	25 ppm
Vitamin A	300 µg/100g
Riboflavin (B2)	0.66 mg/100g
Niacin (B3)	3.21 mg/100 g
Pyridoxin (B6)	0.422 mg/100g
Biotin (B7)	49.0 µg/100g
Cobalamin (B12)	22.1 µg/100g
Vitamin C	1180 mg/kg
Vitamin D3	1540 IU/kg
Vitamin E	378 mg/kg

Amino acids

Amino acids	Specifications
Aspartic acid	4.51 g
Threonine	2.16 g
Serine	2.3 g
Glutamic acid	6.3 g
Proline	2.48 g
Glycine	4.84 g
Alanine	2.87 g
Cystine	0.6 g
Valine	2.11 g
Methionine	0.63 g
Isoleucine	1.77 g
Tyrosine	1.40 g
Leucine	2.66 g
Phenylalanine	1.5 g
Lysine	2.49 g
Histidine	0.76 g
Arginine	3.37 g
Hydroxyproline	0.9 g

Storage information

Storage information	Specifications
Packaging	20 kg
Shelf life	3 years
Storage conditions	Dark, dry place at room temperature, away from moisture