

Product Specification: Premium Nordwell Marine Collagen

Description:

Type I collagen, hydrolyzed.
Made from Northern Atlantic Cod(Gadus Morhua) caught around Iceland.
Provides a high-purity, bio-active ingredient with excellent organoleptic properties.
For use in a wide range of health and nutrition applications.
MODERN BIOTECHNOLOGY The enzymes are manufactured by fermentation of microorganisms that are not present in the final product. The microorganisms have not been optimized by means of modern biotechnology. The final product is not subject to GMO labelling requirements.

Physical Properties	Specifications
Color	White
Odor	Neutral
Taste	Neutral
Average Molecular Weight	800-2,000 dalton
Particle size	60 microns (80% range 40-80)
Gel bloom	0 bloom
Viscosity (20% solution, 60°C)	10 – 30 mPa.s
Bulk density	0.35-0.50 g/cm3
Moisture	≤ 5%
Ash	≤ 3%
pH	6.5 -7.0
Water activity (aw)	≤ 0,4

Microbiology	Specifications
Aerobic microbial count	≤ 500 CFU/g
Coliforms (30°C)	Absent/1 g
E-coli (44.5°C)	Absent/1 g
Sulphite-reducing anaerobic bacteria	<100/ g
Salmonella	Absent/25 g
Listeria spp	Absent/25 g

Chemical properties	Specifications
Inorganic arsenic (As)	≤ 1 ppm
Cadmium (Cd)	≤ 0.5 ppm
Mercury (Hg)	≤ 0.10 ppm
Lead (Pb)	≤ 3 ppm
Chromium (Cr)	≤ 10 ppm
Copper (Cu)	≤ 30 ppm
Zinc (Zn)	≤ 50 ppm
Sulphure dioxid (SO2)	≤ 50 ppm
Hydrogen peroxide (H2O2)	≤ 10 ppm

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

Nutrition	Specifications (per 100g)
Energi:	1,544 KJ / 369 Kcal
Fat	≤ 0.1 g
- there of saturated fats	0.0 g
- there of trans fats	0.0 g
Carbohydrates	≤ 5.0 g
- there of sugar	≤ 0.0 g
Protein (N x 5,55)	≥ 93%
Salt	≤ 1.5 g
Cholesterol	0 g

Amino acids	Specifications
Asparaginic acid	5.88%
Threonine	2.69%
Serine	5.83%
Glutamic acid	9.48%
Proline	10.1%
Glycine	23.4%
Alanine	9.65%
Cystine	0.11%
Valine	2.47%
Methionine	1.96%
Isoleucine	1.78%
Tyrosine	0.61%
Leucine	3.34%
Phenylalanine	2.22%
Lysine	3.62%
Histidine	1.2%
Arginine	8.47%
Hydroxyproline	7.19%

Version date
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Produced for Nordwell ehf. by and in the productin facility of Foodsmart Nordic ehf.