

# STANDARD MARINE COLLAGEN PEPTIDES – POWDER

## Product Specification

### Description:

Type I Collagen, hydrolized.

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.

Physical Properties	Specifications
Color	Creamy white
Odor	Mild fish
Taste	Mild fish
Average Molecular Weight	4000 - 6000 dalton
Particle size	60 microns (80% range 40-80)
Gel bloom	0 bloom
Viscosity (20% solution, 60°C)	10 – 30 mPa.s
Moisture	≤ 4%
Ash	≤ 1,5%
pH	6,5 -7.0

Nutrition	Specifications (per 100g)
Calories	369 Kcal
Protein (N x 5.55)	≥ 93%
Fat	≤ 0.1 g
- Saturated fats	0,0 g
- Trans fats	0,0 g
Carbohydrates	≤ 5.0 g
Sugar	0,0 g
Sodium	≤ 1.5 g
Cholesterol	0 g

Microbiology	Specifications
Aerobic microbial count	≤ 1000 CFU/g
Coliforms (30°C)	Absent/1 g
Coliforms (44.5°C)	Absent/10 g
Sulphite-reducing anaerobic spores	Absent/1 g
Salmonella	Absent/25 g
Clostridium perfringens	Absent/1 g
Staphylococcus aureus	Absent/1 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%

Chemical properties	Specifications
Inorganic arsenic (As)	≤ 1 ppm
Cadmium (Cd)	≤ 0.5 ppm
Mercury (Hg)	≤ 0.15 ppm
Lead (Pb)	≤ 0.5 ppm
Chromium (Cr)	≤ 10 ppm
Copper (Cu)	≤ 30 ppm
Iron (Fe)	≤ 50 ppm
Zinc (Zn)	≤ 50 ppm

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

