mermaid proteins

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DEVELOPMENT TARGETS, NOT A CERTIFICATE OF ANALYSIS

Marine collagen from cod skeleton: target specification

Collagen from the skeleton of wild-caught North Atlantic cod, a filleting sidestream. The skeleton contains Type I and Type II collagen. Status: in development, pilot trials in Denmark in 2026, partner samples planned from Q1 2027.

FORMATS IN DEVELOPMENT

Format	What it is	Typical use	Status
Hydrolysed collagen peptides	**Collagen cut by enzymes into short peptides, target 0.5 to 2 kDa**	**Gram-dose formats: powders, sticks, drinks, gummies**	**Pilot trials 2026**
Native Type II powder	**Undenatured Type II collagen from a low-temperature process**	**Milligram-dose formats: capsules, tablets**	**In development**
Bone mineral fraction	**Calcium and phosphorus recovered during demineralisation**	**Mineral co-ingredient**	**In evaluation**

TARGET SPECIFICATION: HYDROLYSED PEPTIDES

Raw material	**Skeleton (backbones and frames) of wild-caught Atlantic cod, *Gadus morhua***
Catch area	**Northwest Atlantic, FAO area 21, landed in Greenland**
Production	**Denmark**
Collagen types	**Type I and Type II, to be confirmed per batch by analysis**
Protein	**Over 90% (target)**
Peptide size	**0.5 to 2 kDa (target)**
Appearance	**White powder (target)**
Taste and odour	**Neutral (target)**
Solubility	**Cold-water soluble, clear solution (target)**
Animal source	**Fish only, no bovine or porcine material**
Allergen	**Fish: EU and UK allergen labelling applies**
Dietary fit	**Pescatarian; halal and kosher certification planned**
Documents for commercial lots	**Specification, certificate of analysis per lot, microbiology and contaminant results (planned)**

PROCESS IN BRIEF

Cleaning and pre-treatment to remove fat and non-collagen protein; demineralisation to free the collagen from the bone mineral; enzymatic hydrolysis to the target peptide size (peptides only); purification and filtration for neutral taste, odour and colour; drying to a fine powder. Parameters are being set in our 2026 pilot trials and may change.

CLAIMS

No health claim for collagen is authorised in the EU or Great Britain. We make no health claims for this ingredient. Pricing and volumes are shared with development partners on request.

Mermaid Proteins is a brand of BlueLoop Protein ApS, CVR 46220986, TechStation, Ryvangs Allé 81-83, 2900 Hellerup, Denmark. Version November 2026. Figures are development targets and may change.