



KENNEY & ROSS LIMITED

6493 SHORE ROAD, PORT SAXON, NOVA SCOTIA CANADA B0T 1W0

Phone (902) 637-2616

www.kenneyandross.com

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Product Name	FISH COLLAGEN		
Material No.	HFC-15, HFC-350		
Product Ref.	HFC, FCP, LMW	CAS No.	68410-45-7
Effective Date	May 1, 2022	EC No.	270-082-2

PRODUCT DESCRIPTION:

Fish Collagen is manufactured from collagen which is the principal protein found in skin and bones. Kenney & Ross Ltd fish collagen is produced from the skins of deep-water fish such as wild caught cod, haddock and pollock, while animal collagen is typically extracted from bovine or porcine skin. Our fish skin source and manufacturing comply with CFIA, EU, EP, USP, JP, Kosher, and Halal standards.

Since the hydrolyzed (hydrolysed) collagen is manufactured from the skins of kosher fish, it is able to meet strict kosher standards. Hydrolyzed Fish Collagen is hydrolyzed with acid and food grade enzyme to further break down the molecular weight.

No genetically modified materials are used in Kenney & Ross Ltd. Collagen products. After filtering, purification, and concentration, the product is heat treated and dried. Collagen has a high protein content, is very water soluble and has no off odor or taste. It can be used as a protein additive in nutraceutical, cosmetic or food applications and will meet the purity requirements of the United States, European and Japanese Pharmacopoeia.

SPECIFICATION	
Raw Material	Fish Skin
Product Classification	Collagen
Appearance	Powder
Color as Dry	White to off-white
Odor	No off Odour
Taste	Neutral
Identity	Corresponds
pH of 10% Solution	5.0 - 6.5
Viscosity of 10% Solution	1.0 - 3.0 cSt
Loss on Drying	≤7%
Protein	91% min
Solubility / Water Insoluble	≤0.005g/10g
Total Nitrogen	≥15.0 g/100g
Hydroxyproline	≥6%
Heavy Metal	≤10 ppm
Arsenic	≤0.3 ppm
Cadmium	≤0.1 ppm
Chromium	≤1.0 ppm
Copper	≤5 ppm



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SPECIFICATION	
Iron	≤10 ppm
Lead	≤0.3 ppm
Mercury	≤0.1 ppm
Tin	≤1.0 ppm
Zinc	≤30 ppm
Sodium	≤1400 ppm
Peroxide	≤10 ppm
Sulphur Dioxide / Sulphite	≤10 ppm
Conductivity	<1800 µs/cm
Density	0.30 - 0.40 g/cc
Total Ash	≤1.0%
Aerobic Colony Count	1000 cfu/g max
Aerobic Mesophilic Count	300 cfu/g max
Bacillus Cereus	<10 cfu/g
Clostridium perfringens	<10 cfu/g
Coliforms @30°C	<0.3 MPN/g
Coliforms @44.5°C	<3 MPN/g
E. coli	Absent/ 25g
Enterobacteriaceae	<10 cfu/g
P. aeruginosa	Absent /10g
Salmonella	Negative /25g
Shigella spp.	Negative /25g
S. aureus	Absent /10g
Anaerobic Sulphite Reducers	10 cfu/g max
Yeast & Mold	100 cfu/g max

STORAGE CONDITION:
Ambient Temperature and Humidity

Shelf Life:
3 +1 years