



Fish Scales & Skin Ossein Collagen Peptide



Nizona Marine Products Pvt. Ltd.

Introduction

Collagen For The World

When Nizona's journey began in Japan, the founders had a one-point mission – 'Collagen for the World'.

Nizona Marine Products (NMP) is the Indian affiliated company of Nizona Corporation, Japan. NMP is the result of the backward integration of Nizona Japan's extensive history and experience in making Made in Japan collagen-based drinks, jelly sticks, tablets etc.

NMP supplies:

- 1) Dried fish scales and fish skin**
- 2) De-mineralized fish scales (Ossein)**
- 3) Collagen peptide (Brand: IKIGEN)**



The Journey

What Does NMP Do?

NMP supplies large quantity of dried fish scales every month as raw material to major collagen peptide producers globally and also specializes in production of Ossein and Collagen peptide due to it's ability to source collagen raw materials abundantly.

Socio-Economic Cause

Fishermen who cultivate Rohu, Catla and Carp fish in fresh water usually sell the fish but discard the scales haphazardly, thus causing smelly litter as they are not aware of the potential of 'up-cycling' this waste!

- 1) NMP has assured business generation for the fishermen community in India and today it works in tandem with governmental aquaculture organizations.
- 2) NMP has helped generate thousands of jobs.
- 3) It has also indirectly impacted the National Cleanliness Mission – 'Swacchhata Abhiyaan' started by honorable Prime Minister of India and 'The Blue Revolution'.

Dry Fish Scales

Dry Fish Scales

Fish Scales And Skin For Collagen

The origin of fish scales is from deep sea, shallow sea and fresh water (rivers and lakes). The scales are washed multiple times with clean water and sun dried or machine dried. No chemicals are used. Moisture percentage controlling and packaging are monitored carefully. Our fish scales are mainly used in producing ossein or collagen peptide. We supply scales from below:

DEEP SEA, WILD CAUGHT FISH

Pink Perch (Nemipterus Japonicus), Croaker (Johnius SPP), Emperor (Lethrinidae SPP), Red snapper (Lutjanus SPP), Lizard fish (Saurida tumbil) and more.

FRESH WATER FISH

Rohu (Labeo Rohita), Catla (Labeo Catla) and other carp fish scales.

Frozen Fish Skin

Main source of frozen skin is from fish fillet processing and surimi industries.

The origin of fish skin is from deep sea, shallow sea and fresh water (aquaculture). The skin is washed with mild sodium hypochlorite and frozen into blocks. Frozen fish skin is used for collagen peptide extraction.

We can supply frozen skin from below:

DEEP SEA, WILD CAUGHT FISH

Reef cod, Cuttle fish, Unicorn Leather Jacket (ULJ).

FRESH WATER FISH

Basa (Pangasius Bocourti), Tilapia.

Research has proved that collagen extracted from fish has abundant amino acids such as glycine, proline, hydroxyproline, alanine and arginine. Nizona Marine Products is registered with the Marine Products Export Development Authority of India (MPEDA) and can provide all the necessary documents for regulatory purpose.



Ossein

OSSEIN – A Pre-Cursor To Collagen

Ossein (Protein) is a process where the dried fish scales are demineralized and calcium is removed from the scales (also called decalcification). The scales are made ready for collagen peptide extraction.

Ossein is a collagen precursor pretty close to 100% protein once moisture is deducted. We obtain it by removing mineral matters from fish scales. Ossein has recently gained popularity as an alternative material to fish skin for marine collagen production.

Our Ossein making process is an environment friendly process, wherein we recycle considerable quantity of water and reuse the same water in the ossein-making process.



Ossein From Fish Scales

We provide fish scales Ossein in the below two varieties:

1. Fresh water fish scales Ossein (FOS):
mainly from rohu, catla, carp fish
2. Deep sea fish scales Ossein (DOS):
mainly from pink perch, croaker, snappers, red mullet, blubber lip.

We supply Ossein which is almost neutral in pH (between 6 to 7), high in nitrogen content, low in moisture and with minimal ash content. This will result in high yield of collagen peptide.

Ossein is made by treating fish scales with hydrochloric acid or acetic acid. Ossein can then be converted into gelatin and collagen.



Collagen

A superfood



After water; Collagen is the most vital ingredient for human body.

IKIGEN is the brand of Nizona Marine products for bulk collagen manufactured under ISO, GMP, HACCP and HALAL certifications in India.

IKIGEN Collagen is an all-natural collagen peptide extracted from deep sea and freshwater fish scales and skin. Our Collagen is sourced from a sustainable and traceable supply chain.

“Ikigen” means “source of life” in Japanese...

IKIGEN Collagen Peptide

(Sourced From Nature, Born in the Sea)

Ikigen quality is comparable with standard grade collagen peptides of Japan while its price is more competitive. As such, Ikigen is an extremely versatile collagen peptide suitable for industrial utilization as an ingredient for the manufacture of drinks, tablets, capsules and flavored premixes.

Protein | **Ash** | **Heavy Metals**
More than 90% | Less than 2% | Less than 20ppm

Benefits

Benefits

Bio-availability Of Collagen Peptide

Using fish as a superior alternative to bovine, porcine and chicken collagen, IKIGEN is characterized by its low molecular weight resulting in improved digestibility and superb bioavailability.



Collagen Peptide For Health And Wellness

Collagen is one of the most important constituents in our body, and everyone can benefit from ingesting collagen.

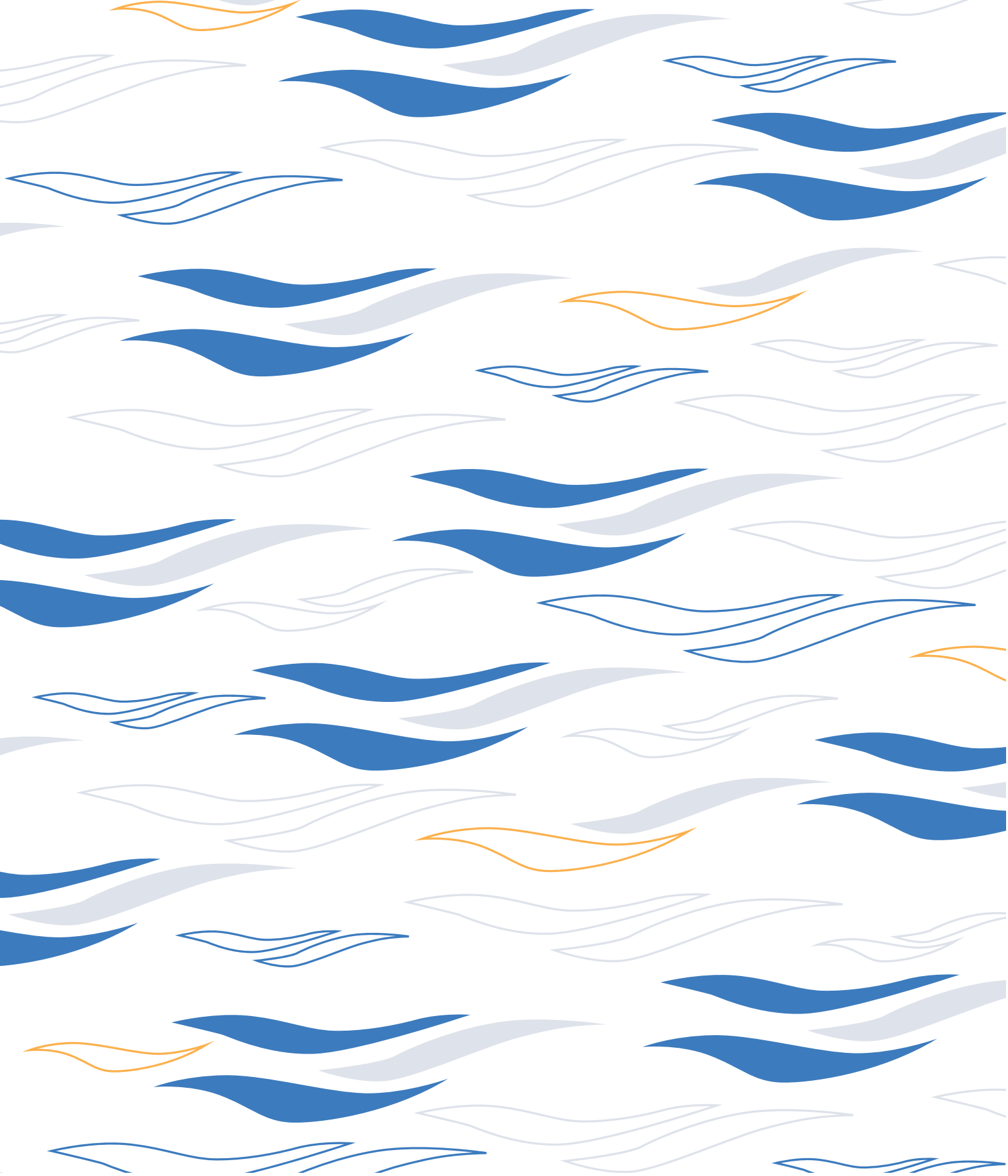
Marine collagen offers a range of health and wellness benefits that can have a profound effect on our overall quality of life. Ikigen collagen peptide provides the premium nutritional building blocks needed for youthful vitality and offer overall healthy aging support.

Collagen For Beauty

Collagen supports anti-aging, diminishing wrinkles, reducing dark spots and tightening skin. Collagen also facilitates skin re-generation, helps skin health and youthful tone. Collagen also boosts activity of white blood cells localized within the skin

It reduces flecks, wrinkles and sags giving a glowing soft skin.





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