

- Food
- Food Additive
- Cosmetic
- Quasi-drug



# Hokkaido Salmon 『Hyaluronic Acid』

Technical  
Data

## Reliable Natural Fish Hyaluronic Acid



Salmon is very popular and eaten widely in the world. Hyaluronic acid is extracted from the nasal cartilage of natural salmon.

Nasal cartilage of salmon called “Hizu”(Icy head), because it looks clear and beautiful, is eaten traditionally in Hokkaido and Tohoku region.

Hyaluronic acid is a key ingredient of supplement for beauty and joints, and there are only few materials that are extracted by bacterial culture or extracted from cockcombs. However, there are issues among those ingredients such as bird flu, antibiotics contained in chicken feed and genetically modified bacterial culture.

Not only reliable and familiar image of salmon, from the catching the fishes to processing, all the process is done in Japan, so it has a strong traceability.

### Expected Function

- ◎ Improving moisture retention of skin
- ◎ Beautiful skin effect
- ◎ For material of lubricating liquid between cartilages
- ◎ Preventing cataract

### Uses

- ◎ Supplements, drinks and processed foods for beauty
- ◎ Supplements, drinks and processed foods for joints

### Display Name Example

Salmon eyeball extract, dextrin

### Quality Standard Composition

Material	Salmon eyeball extract (contains hyaluronic acid)
Property	Light yellow white to white powder with its original scent
Hyaluronic acid	Over 5.0%
pH (1% water solution)	5.5~7.5
Heavy metal (Pb)	Less than 20ppm
Heavy metal (As)	Less than 5ppm
Viable count of bacteria	Less than 3000 pcs/g
Coliform bacteria	Negative

### Other

Quantity	1kg, 5kg
Shelf life	1 year from the production date
Storage condition	Keep in cool dry place, and avoid direct sunlight.

### Company Information

1802

**North Life Co., Ltd.**

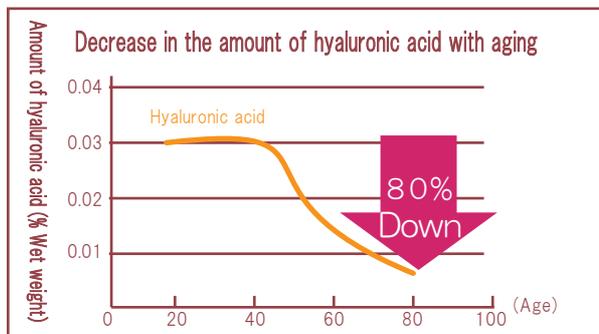
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## ■ Hyaluronic acid

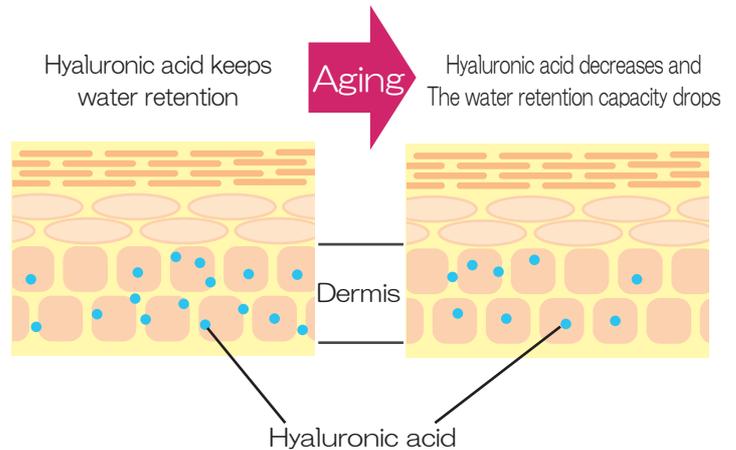
Hyaluronic acid is a type of mucopolysaccharide, which exists in internal organs and connective tissues of the body and has the function of retaining moisture by forming an extracellular matrix in the intercellular space. It is present abundantly in the skin, eyes and joints in the body and has roles such as wound healing, joint lubrication, cell proliferation and differentiation.

## ■ Hyaluronic acid decreases as we age

Although hyaluronic acid is made every day in the body, its synthetic power decreases with age and it is known to exert various harmful effects on the body. Therefore, it is necessary to actively take hyaluronic acid from food.



Source: Longas MO, et al Carbo hydr Res 1987; 159:127-136



## ■ Secure image with Marine hyaluronic acid

Hyaluronic acid is a key ingredient of supplement for beauty and joints, and there are only few materials that are extracted by bacterial culture or extracted from cockcombs. However, there are issues among those ingredients such as bird flu, antibiotics contained in chicken feed and genetically modified bacterial culture. This hyaluronic acid is an ingredient extracted from natural salmon that is eaten by many Japanese, from Hokkaido, so people feel secure with the ingredient.

Origin	Cockcomb	Bacterial culture	Natural fish
Price	Low		High
Image	<ul style="list-style-type: none"> <li>· Antibiotics</li> <li>· Avian influenza</li> </ul>	<ul style="list-style-type: none"> <li>· Gene modify</li> </ul>	<ul style="list-style-type: none"> <li>· Secure image</li> </ul>

## Company Information

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