



西安盖文生物科技有限公司

XI'AN GAWEN BIOTECHNOLOGY CO., LTD.



AMULYN



AHUALYN

## OUR VISION

Committed to becoming the core manufacturer and supplier of natural ingredient industry and food health field.

## CONTACT US

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INNOVATIVE  
INGREDIENTS SOLUTIONS  
PROVIDER

## COMPANY PROFILES

Xi'an Gawen Biotechnology Co., Ltd. is a comprehensive high-tech enterprise dedicated to the research, development, manufacturing, and marketing of natural health products. The company has three brands under its umbrella: AMULYN, AHUALYN, and AGOLYN.

AMULYN is a brand dedicated to the production of plant extracts, committed to blending the power of nature with scientific and technological innovation to deliver high-quality plant extract products to its customers.

AHUALYN is a brand specializing in the production of health food and cosmetic ingredients, recognized as a valued B2B supplier offering specialized raw materials, guideline formulations, and comprehensive technical and commercial support to its customers.

The product lines covered by these two brands are widely applied across diverse industries including food, beverages, health products, cosmetics, and pharmaceuticals. Their products are exported to over 70 countries and regions worldwide, such as the United States, Europe, South Korea, Japan, and Australia.

6000M<sup>2</sup>

PLANTING  
BASE

20+

PRODUCTION  
LINES

25 YEAR

MANUFACTURING  
EXPERIENCE

70+

COUNTRIES

## QUALIFICATION CERTIFICATE

The production base has advanced automated production equipment in line with GMP standards, and has passed GMP, HACCP, ISO and other certifications. Many products have KOSHER, HALAL, ORGANIC, SC, FSSC22000 and other certificates.



# SALMON PDRN

Anti-Inflammatory  
Repair Regeneration Anti-Aging



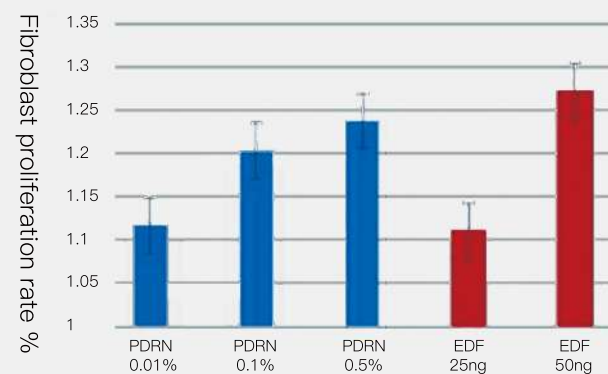
- INCI name: DNA sodium
- Source: Male salmon testis
- Appearance: White or light yellow powder
- PH Range: 5.0-9.0
- Solubility: Water-soluble
- Application: Cosmetic lotion, cream, facial masks, etc.



## Product Advantages

### PROMOTE CELL REGENERATION

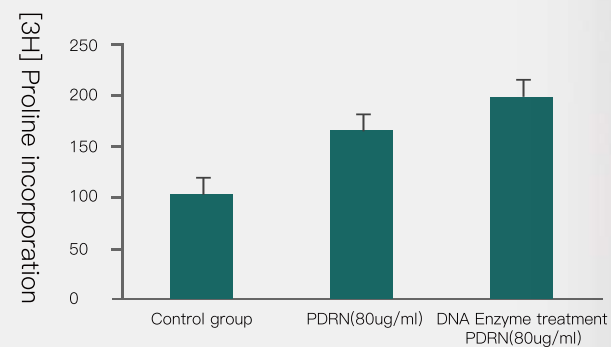
Promote fibroblast growth



Experiments have shown that PDRN can effectively promote the growth of fibroblasts, and 0.01% PDRN has the same effect as 25ng EGF. PDRN is selective in promoting fibroblast regeneration.

### PROMOTE COLLAGEN REGENERATION

Effect of PDRN on [3H]-proline incorporation into secretory proteins of cultured fibroblasts



Proline is one of the most representative amino acids in collagen. Compared with the blank group, PDRN at a concentration of 0.08% can effectively promote the synthesis of collagen, and the effect of PDRN treated with DNase (lower molecular weight) is more obvious.

# PLATYCLADUS ORIENTALIS PDRN

Security, Stability,  
Compliance, Effectiveness

- INCI name: Platycladus orientalis leaf extract
- Grade: Cosmetic grade
- Appearance: Amber to dark brown liquid
- PH Range: 4.0-9.0
- Recommended Usage: 0.01%-2%
- Concentration: 1000ppm, 2000ppm



## Product Benefits

- 01 Water-oil Balance:** Maintains optimal hydration through powerful water-locking technology
- 03 Barrier Restoration:** rebuilds the skin barrier function and promotes the regeneration of multiple growth factors

- 02 Anti-Inflammatory & Soothing:** solves problems such as sensitivity, redness, and acne

- 04 Anti-Aging Regeneration:** stimulates the synergistic production of type I/III collagen and reverses skin aging

## Factory Strength



National ISO 9001 quality management system



B+A grade nucleic acid raw material large-scale production line



Multiple CGMP grade large-scale production lines

# BROWN ALGAE PDRN

Antioxidant, Anti - Inflammatory  
Water Retention



- INCI name: Laminaria Digitata Extract
- Grade: Cosmetic grade
- Appearance: Yellow or colored suspension
- PH Range: 5.0-9.0
- Recommended Usage: 0.01%-2%
- Concentration: 1000ppm, 2000ppm



# COSMETIC GRADE SODIUM HYALURONATE

Hyaluronic Acid (HA), internationally recognized as the "Natural Moisturizing Factor", exhibits exceptional humectant and lubricating properties alongside high-viscosity thickening capabilities, enabling stabilization of emulsion systems. Its superior formulation compatibility ensures wide applicability in cosmetic formulations across diverse product categories.

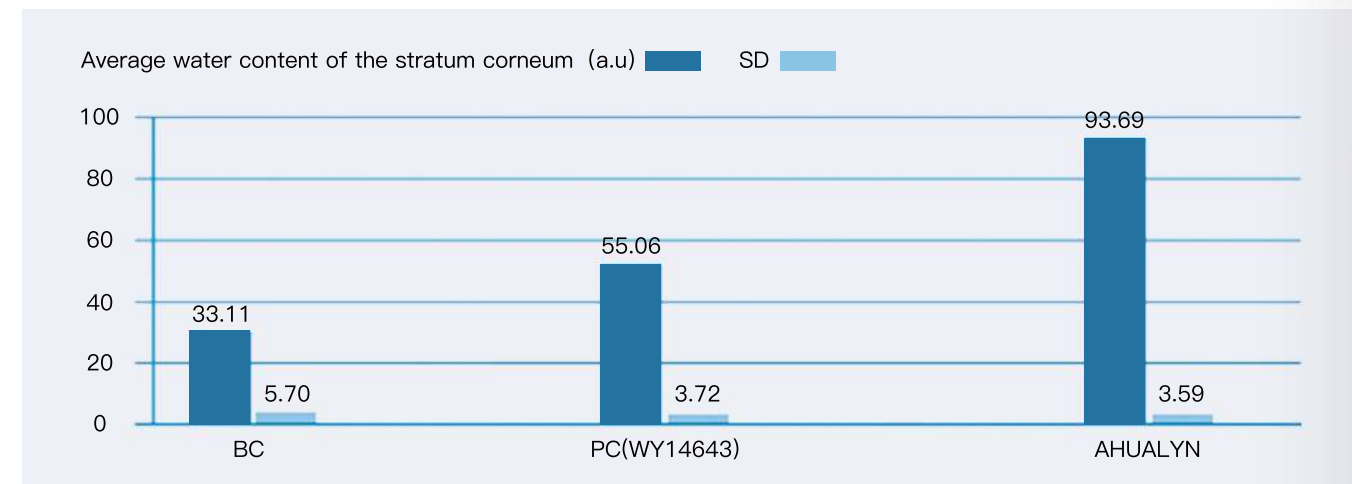


## Product Highlights

- Stability and Uniformity
- GMP-certified Manufacturing
- High Purity & Customization
- Precise molecular weight control

## Efficacy Experiment

Ahualyn conducted a moisturizing test. The moisture content of the stratum corneum in the experimental group increased significantly, indicating that sodium hyaluronate can maintain moisture on the skin surface, continuously moisturize the skin, increase the capacitance on the skin surface, and achieve skin moisturizing effect.



# COSMETIC GRADE SODIUM HYALURONATE



## Effects Of HA In Different Molecular Weights

Type	Molecular weight range	Usage method
High Molecular Weight HA	≥ 1.6 million Da	Film-forming moisture-locking & protective barrier
Medium Molecular Weight HA	0.6 – 1.6 million Da	Hydration retention & firming elasticity enhancement
Low Molecular Weight HA	10000–60,000 Da	Penetrative hydration replenishment & sustained moisturization
Oligomerization HA	< 10000Da	Dermal infusion & anti-aging wrinkle mitigation
Hydrolyzed Nanoscale s HA	< 1000 Da	Deep hydration & restorative revitalization

## Products Applications



## Related Products

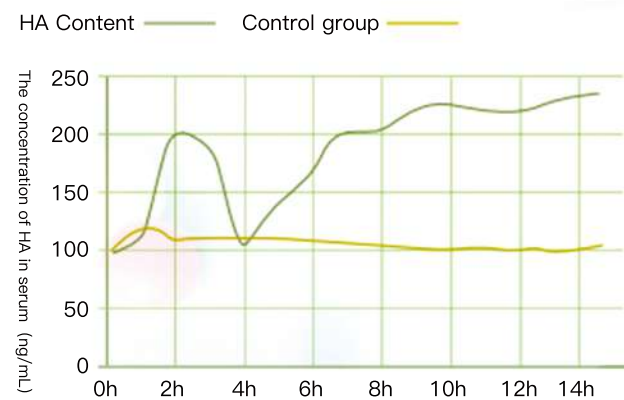
- Acetylated Hyaluronic Acid
- Hydrolyzed Hyaluronic Acid
- Nano-hydrolyzed Sodium Hyaluronate
- Cationic Hyaluronic Acid
- Eye Drop Grade Hyaluronic Acid
- Injectable Hyaluronic Acid
- Cross-linked Hyaluronic Acid

# FOOD GRADE SODIUM HYALURONATE

Hyaluronic acid(HA) has been widely utilized in dietary supplements across developed countries such as those in Europe and the United States. Oral intake of food grade sodium hyaluronate can help replenish the body's hyaluronic acid levels. Through digestion and absorption, food grade sodium hyaluronate offers benefits such as enhancing skin hydration, delaying signs of aging, and improving joint function. Regular consumption may also contribute to increased energy levels.



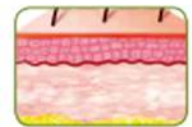
## Absorption Mechanism



Data show that the body absorbs exogenous HA in the form of non-monosaccharides, and the concentration of HA in the blood increases and peaks occur after about 2 hours. Exogenous HA is gradually degraded into 2 monosaccharides, and the serum HA concentration decreases over time. Later, HA was synthesized in the body, causing the concentration of HA in the serum to gradually increase after 4 hours.



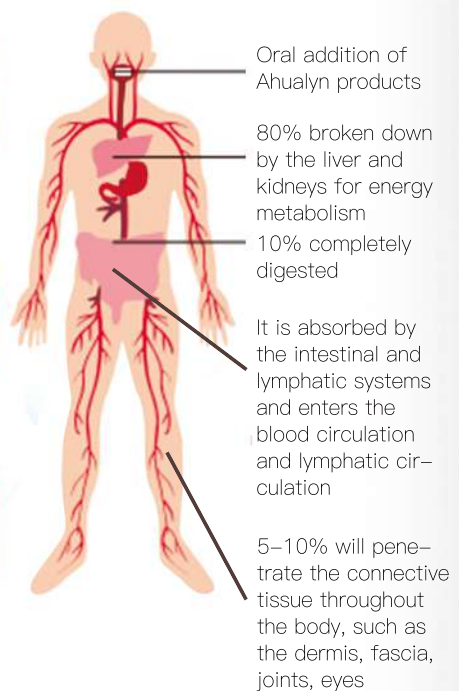
It can be detected in the blood within 15 minutes



in the skin within 1 hour



in the joints within 2 hours



# FOOD GRADE SODIUM HYALURONATE

## Skin



## Bone and Joint



## Eyes



## Gastrointestinal Tract



## The Role of Food-Grade Sodium Hyaluronate in the Human Body

**Skin:** Replenishes skin moisture, increases skin elasticity, and reduces wrinkles.

**Bone and Joint:** Promotes cartilage repair, inhibits inflammation, and relieves pain.

**Eyes:** Replenishes the moisture of the eyeball, relieves dry eyes, eye itchiness.

**Gastrointestinal Tract:** Protects the gastric mucosa and lubricates the body cavity.

## Product Application



"dairy products"



"beverages"



"chocolates"



"candies"



"alcoholic beverages"



"frozen desserts"

# COLLAGEN TRIPEPTIDE

Global Professional Service Provider  
of Bioactive Peptides



Collagen Tripeptide (CTP) is extracted from fish scales using advanced directional enzymatic cleavage technology, achieving a high CTP content exceeding 15%. It demonstrates exceptional moisturizing efficacy and skin permeability, while effectively stimulating the synthesis of both collagen and hyaluronic acid.

## Product Features



### Low Molecular Weight

Ranging from 300–500 Daltons, easy to absorb



### Superior Water Solubility

Fully dissolves in water to form a clear & transparent solution



### Acid Stability

Maintains stable solubility across varying pH conditions



### Good Taste

Decolorized and deodorized for a neutral flavor

## Product Efficacy



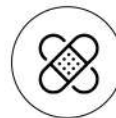
Immune system enhancement



Joint mobility & musculoskeletal health

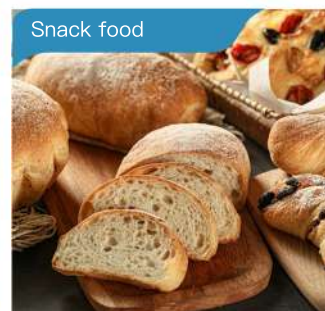


Promote hair growth



Promote postoperative wound healing and physical recovery

## Application Directions



# PRODUCT CATALOGUE

Global Professional Service Provider  
of Bioactive Peptides

Product Name	Source	Molecular Weight
Fish Collagen Peptide	Fish scales & skin	500–1000Da
Sea Cucumber Peptide	Wild spiky sea cucumber	≤1000Da
Oyster Peptide	Oyster meat	≤1000Da
Antarctic Krill Peptide	Antarctic krill powder	≤1000Da
Abalone Peptide	Abalone meat	≤1000Da
Bovine Collagen Peptide	Bovine hide	≤1000Da
Bovine Bone Collagen Peptide	Bovine bone	≤1000Da
Hydrolyzed Type II Collagen	Chicken sternal cartilage	≤2000Da
Undenatured Type II Collagen	Chicken sternal cartilage	High molecular weight
Elastin Peptide	Animal heart, lung, and tubes	500–1000Da
Silkworm Pupae Peptide	Silkworm pupae	≤1000Da
Earthworm Peptide	Earthworm	≤1000Da
Crocodile Peptide	Crocodile	≤1000Da
Customized Formulation	500Da/1000Da/2000Da	



## COSMETIC INGREDIENT CATALOGUE



### MOISTURIZING

Product Name	Solubility
▪ Sodium Hyaluronate	Water
▪ Sodium polyglutamate	Water
▪ Allantoin	Water
▪ Glyceryl Glucoside	Water

### SKIN WHITENING

Product Name	Solubility
▪ Alpha-Arbutin	Water
▪ Kojic Acid	Water
▪ Kojic Acid Dipalmitate	Oil
▪ Ascorbyl tetraisopalmitate	Oil
▪ Ascorbyl Glucoside	Water
▪ Ethyl Ascorbic Acid	Water
▪ Magnesium Ascorbyl Phosphate	Water
▪ Sodium Ascorbyl Phosphate	Water

### CALMING ANTI-INFLAMMATION

Product Name	Solubility
▪ Tranexamic Acid	Water
▪ Alpha Bisabolol	Oil
▪ Salicylic acid	Oil
▪ Azelaic acid	Oil
▪ Potassium Azeloyl Diglycinate	Water

### ANTI-AGING

Product Name	Solubility
▪ PDRN	Water
▪ Ergothioneine	Water
▪ Reduced Glutathione	Water

## COSMETIC PEPTIDES CATALOGUE

Product Name	CAS#
▪ Dipeptide-2	24587-37-9
▪ Dipeptide-6	18684-24-7
▪ Acetyl Dipeptide-1 cetyl ester	196604-48-5
▪ Tripeptide-29	2239-67-0
▪ Trifluoroacetyl Tripeptide-2	64577-63-5
▪ Tripeptide-1	49557-75-7
▪ Tripeptide-2	17355-22-5
▪ Dipetide diaminobutyroyl Benzylamide diacetate	823202-99-9
▪ Biotinoyl Tripeptide-1	299157-54-3
▪ Palmitoyl Tripeptide-1	147732-56-7
▪ Palmitoyl Tripeptide-38	1447824-23-8
▪ Palmitoyl Tripeptide-5	623172-56-5
▪ Palmitoyl Tripeptide-8	936544-53-5
▪ Acetyl Tetrapeptide-2	1239011-60-9
▪ Caprooyl Tetrapeptide-3	1012317-71-3
▪ Acetyl Tetrapeptide-40	1472633-28-5
▪ Acetyl Tetrapeptide-3	827306-88-7
▪ Palmitoyl Tetrapeptide-7	221227-05-0
▪ Myristoyl Tetrapeptide-12	959610-24-3
▪ Tetrapeptide-21	960608-17-7
▪ Tetrapeptide-30	1228558-05-1
▪ Acetyl Tetrapeptide-5	820959-17-9
▪ Copper Tripeptide-1	89030-95-5
▪ Alanine/Histidine/Lysine Polypeptide Copper Hcl (1:1)	N/A
▪ Decarboxy carnosine hydrochloride	57022-38-5
▪ Carnosine	305-84-0