



专业胶原蛋白肽生产企业  
Professional collagen peptide manufacturer



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原肽生物  
PURE PEPTIDE TECH.

HAINAN PURE PEPTIDE TECHNOLOGY CO.LTD,  
海南原肽生物科技有限公司

PRODUCT BROCHURE  
产品手册



China•Hainan



原肽生物  
PURE PEPTIDE TECH.

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# Company Profile

## 公司简介

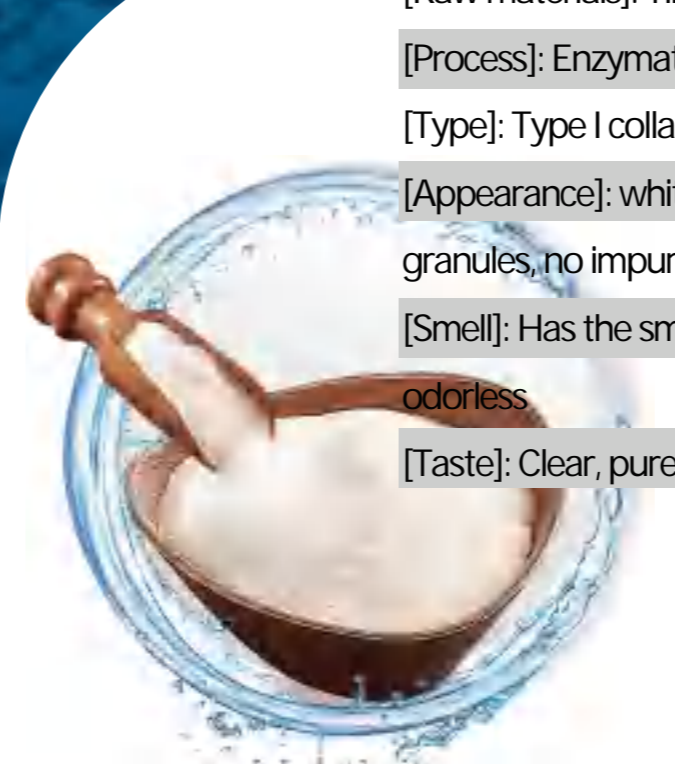
海南原肽生物科技有限公司，成立于 2016 年，公司是集研发、生产、销售、技术咨询、技术培训、科研合作于一体的专业化食用级、化妆品级生产胶原蛋白肽的高科技创新型企业；公司采用国际先进的生物酶解工艺，研发生产的鱼胶原蛋白肽达到国际领先水平，是目前国内品类齐全的专业化顶级鱼胶原蛋白肽生产企业。公司致力于全球优质小分子胶原蛋白肽产品开发与供应，成功推出了鱼胶原蛋白肽、海洋鱼低聚肽、红鲷鱼肽、胶原三肽、鳄鱼肽、鸡胸软骨肽、鳗鱼肽、牡蛎肽、海参肽、大豆肽、大米肽、角蛋白等多种小分子动植物生物活性肽，产品广泛应用于食品、美容、医药等众多领域，远销美国、日本、韩国、泰国、新加坡、印尼、马来西亚等三十多个国家。海南原肽将以习近平主席新质生产力为指引，秉承执着的创新精神、卓越的开拓能力、严谨的品质要求，为企业绿色低碳可持续发展而奋斗；我们矢志不渝、笃行不怠，成为全球领先的胶原蛋白肽产品供应集团的标杆企业，打造海南原肽百年伟业！

Hainan Pure Peptide Technology Co., Ltd. was established in 2016. It is a high-tech innovative enterprise that integrates R&D, production, sales, technical consultation, technical training, and scientific research cooperation to produce edible and cosmetic grade collagen peptides. We adopts internationally advanced bio-enzymatic hydrolysis technology, and the fish collagen peptides quality we produces confirms to the international leading level. It is currently a professional top-level fish collagen peptide production enterprise with a complete range of products in China. Our company is committed to the research and supply of global high-quality small molecule collagen peptide products, our products includes: fish collagen peptides, marine fish oligopeptides, collagen tripeptides, Red snapper peptide, crocodile peptides, chicken breast cartilage peptides, eel peptides, oyster peptides, sea cucumber peptides, soybean peptides, rice peptides, keratin and other small molecule animal and plant peptides. Our products are widely used in many fields such as food, beauty, and medicine, and are exported to more than 30 countries including the United States, Japan, South Korea, Thailand, Singapore, Indonesia, and Malaysia and so on. Hainan Pure Peptide Technology Co., Ltd. will be guided by President Xi Jinping's new quality productivity, uphold the persistent spirit of innovation, outstanding pioneering ability, and rigorous quality requirements, and strive for the green, low-carbon and sustainable development of the enterprise; We will persist in our ambition of becoming a benchmark in the industry and create a century-old great achievement for Hainan Pure Peptide!





**FEATURED PRODUCTS**  
鱼胶原蛋白肽

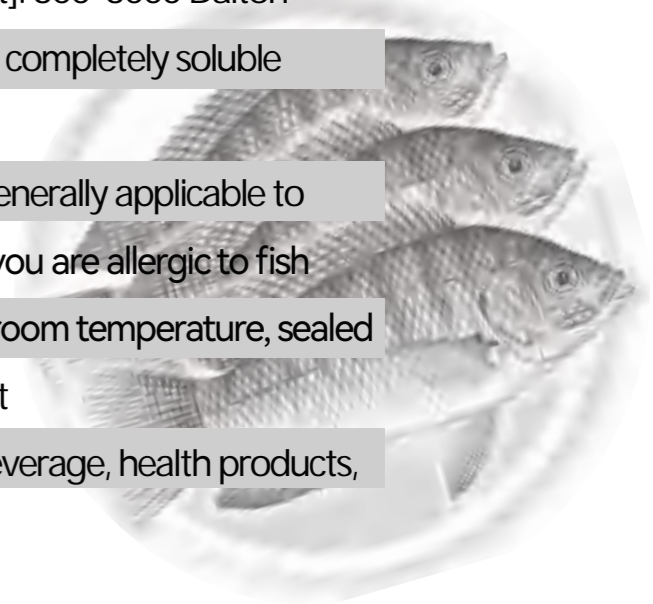


# Featured products

主打产品

## FEATURED PRODUCTS

[Product Name]: Fish collagen peptide	Protein (dried basis): >98.0%
[Grade]: Food grade/Cosmetic grade	[Hydroxyproline (dried basis)]: >10.0%
[Raw materials]: Tilapia scales/ skin	[Average molecular weight]: 300-3000 Dalton
[Process]: Enzymatic extraction technology	[Solubility]: Water-soluble, completely soluble
[Type]: Type I collagen	[Particle size]: <100 mesh
[Appearance]: white or light yellow powder/ granules, no impurities	[Applicable population]: Generally applicable to adults, use with caution if you are allergic to fish
[Smell]: Has the smell that the product should have, odorless	[Storage method]: Dry at room temperature, sealed and stored away from light
[Taste]: Clear, pure, natural	[Application]: Food and beverage, health products, medicine, beauty care



# Fish collagen peptides Process

## Proteolysis

After passing the inspection of fish scale raw materials, wash them with purified water for many times, raise the temperature to extinguish the yin, add protease after cooling, fully enzymatic hydrolysis for five hours, filter the residue, and obtain a clear enzymatic hydrolysate.

## Decolorization and deodorization

Food-grade activated carbon is added to the enzymatic hydrolysate, which is fully stirred and mixed, and the material solution is decolorized by the adsorption effect of activated carbon for one hour, and the pure enzymatic hydrolysate is obtained after being filtered by the plate and frame.

## Concentration filtration

The enzymatic hydrolysate is sent to the vacuum concentrator and concentrated at an evaporation temperature of 70° C, and the concentrate is aseptically filtered through a high-efficiency filter to obtain a high-concentration sterile solution.

## spray drying

The high-concentration liquid is sprayed into a water mist and then enters the spray drying tower, and the hot air drying in the tower quickly takes away the water in the liquid, and the finished fish collagen peptide in the form of powder and granules can be obtained in a few seconds.

## Inspect the packaging

The finished products are collected, weighed and packaged in the 100,000-level clean workshop, and the quality inspection department conducts physical and chemical testing of the products, and the qualified products enter the dry, cool and dark warehouse for preservation.

## Collagen tripeptide

胶原三肽

It is a small molecule collagen peptide made from fresh scales and skin of Hainan export grade tilapia, and refined by directional biological enzyme cutting process.

[Raw materials]: Tilapia scales/skin

[Appearance]: white powder

[Protein]: >98%

[Average molecular weight]: 300-800 Da

[Application]: food and beverage, health products, medicine and other fields



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## Marine fish oligopeptides/ red snapper peptides

海洋鱼低聚肽/红鲷鱼肽

Red snapper peptides have extremely high cell adhesion, high moisture retention and high activity. It is rich in nutritional value and small molecule peptides are easily absorbed.

[Raw materials]: red snapper scales

[Appearance]: white powder/granules

[Protein]: >98%

[Average molecular weight]: <1000 Da



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**PLANT PROTEIN PEPTIDE**  
植物蛋白肽

## Rice peptides

大米蛋白肽

Rice is rich in eight essential amino acids that cannot be synthesized by the human body.

It can be used for nutritional supplements for special physiques.

[Raw materials]: Non-GMO rice protein isolate

[Appearance]: Yellow powder, no impurities, no odor

[Protein]: >90%, no additives

[Average molecular weight]: <700 Da

[Features]: Soluble in a wide range of pH values;  
components do not change at 100°C

[Applications]: Food and beverage, health products, medicine and other fields

## Soybean peptide

大豆蛋白肽

Special process removes the bitterness of raw materials, can be directly absorbed in the body, quickly replenish energy

[Raw materials]: non-GMO soybean protein isolate

[Appearance]: off-white powder, no impurities, no odor

[Protein]: >95%, no additives

[Average molecular weight]: <700 Da

[Application]: food and beverage, health products, medicine and other fields





**ANIMAL PROTEIN PEPTIDE**  
动物蛋白肽

## Crocodile peptides

鳄鱼肽

Crocodile has strong immunity and never gets sick in life. Crocodile peptides preserves the unique bioactive peptide components in crocodile protein.

[ Raw materials ]: Fresh crocodile head/crocodile bone as the main raw material

[ Appearance ]: beige powder

[ Protein ]:>90%, no additives

[ Application ]: food, health products, medicine and other fields



## Type II collagen peptide (chicken breast cartilage peptide)

II型胶原蛋白肽(鸡胸软骨肽)

[ Raw materials ]: refined chicken breast cartilage

[ Appearance ]: light yellow powder

[ Protein ]:>70%, no additives

[ Chondroitin sulfate ]:>30%

[ Average molecular weight ]:<1000 dal

[ Application ]: food, health products, medicine and other fields



## Eel peptides

鳗鱼肽

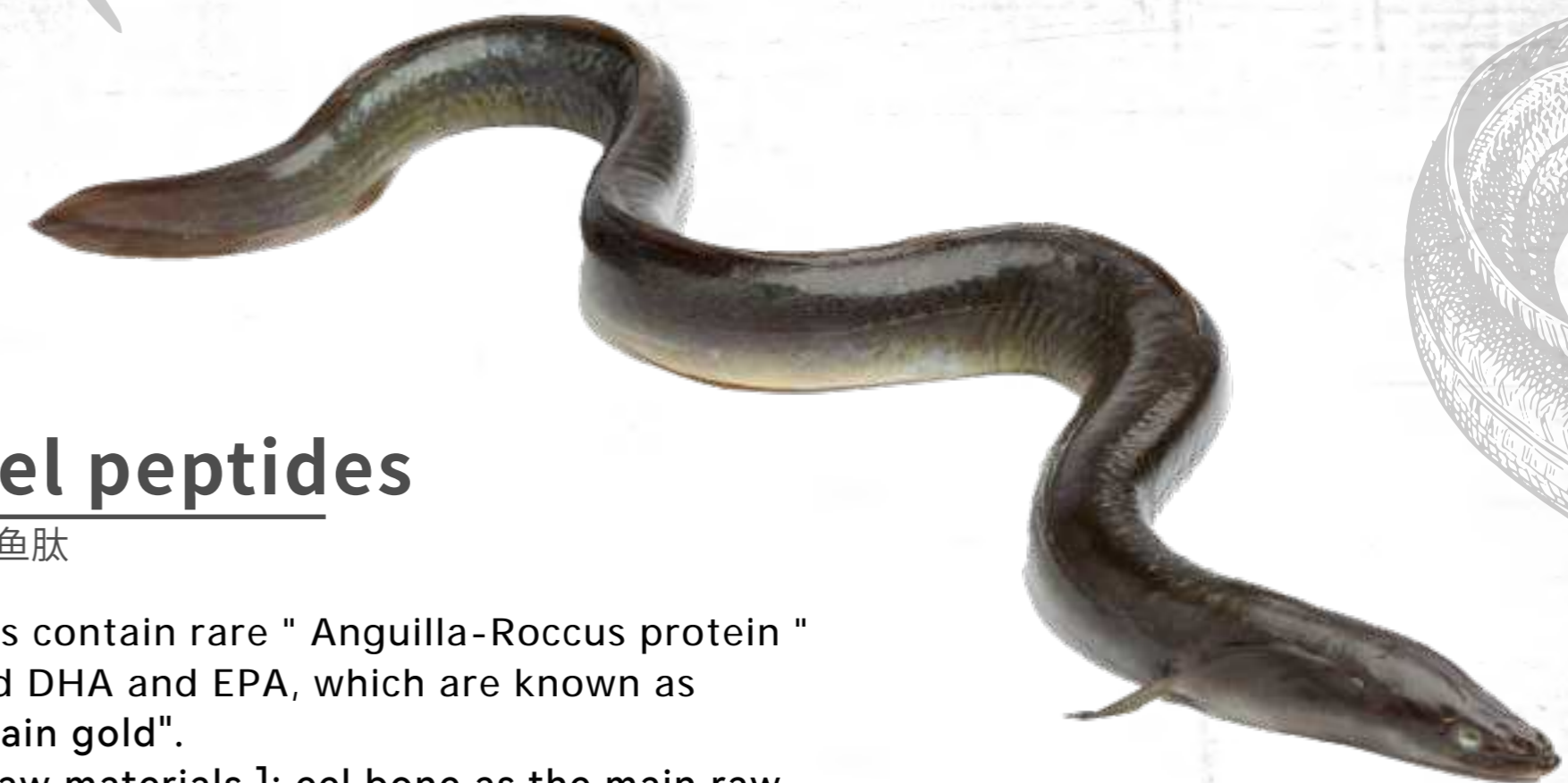
Eels contain rare " Anguilla-Roccus protein " and DHA and EPA, which are known as "brain gold".

[ Raw materials ]: eel bone as the main raw material

[ Appearance ]: light yellow powder

[ Protein ]:>90%, no additives

[ Application ]: food, health products, medicine and other fields



# Hydrolyzed keratin

水解角蛋白

Hydrolyzed keratin is made from animal hair and refined by bio-enzymatic cleavage technology. It is widely used in high-end cosmetics.

[ Raw materials ]: feather powder

[ Appearance ]: light yellow or brown powder

[ Protein ]: >85%

[ Average molecular weight ]: <1000 Da

[ Application ]: beauty and daily chemicals



# PRODUCT ADVANTAGE

定制代工

Provide professional technical and service support



## PRODUCT ADVANTAGE

产品优势

### Pure

Our fish collagen peptides are extracted from fish scales, have a high protein content of over 99%. The product is guaranteed to be 100% fish collagen peptides and will not be add other protein peptides.



### Professional

We are a professional collagen peptide manufacturer with nearly 20 years of experience in peptide production. We have many patented technologies and are good at production. Our raw material suppliers implements a full-industry chain fishery production model, which is fully controllable and traceable.



### Fresh

Hainan Province is the main breeding and export base for tilapia. We use the fresh fish scales and skin which separated and transported for processing within 8 hours to ensure that the finished collagen peptide has no odor and tastes fresh and natural.



### Small

All products are small molecule collagen peptides that can be directly absorbed and utilized by the human body.





# ENTERPRISE QUALIFICATION

企业资质

## Enterprise qualification

### 企业资质

- High-tech enterprises
- Food production license



- Food safety management system certification
- Hainan Equity Exchange Center
- ISO22000: 2018
- Halal Food Hala Certified
- U.S. Food and Drug Administration Bureau of registration



- SGS rice peptide testing certification
- SGS soybean peptide testing and certification
- Type II collagen peptide assay authentication



# Management

企业管理

## STRICT MANAGEMENT

- Raw materials can only be used after strict testing.
- 100,000-level clean workshop, fully sealed stainless steel aseptic production line, to ensure no contamination by bacteria and microorganisms.
- Full QA management and monitoring, technical parameters are supervised and regulated item by item to ensure stable quality

- Processed and manufactured through fifteen production processes.
- Master six core technologies.
- Passed two international food safety management system certifications,

## TECHNICAL EXPERTISE

## PRODUCTS

- All products are pure ingredient and no additives.
- High protein content, high content of effective substances

MANAGEMENT  
企业管理