



Collagen Peptide

VASTNESS BIOTECH CO.,LTD

Collagen Peptide Description

Collagen peptide is a protein fragment rich in amino acids, which is a product of collagen hydrolysis. The following is a description of collagen peptides:

Structural characteristics: Collagen peptides are hydrolyzed from collagen molecules and have a relatively small molecular weight. It is usually composed of 20-30 amino acid residues. Compared with the original collagen, its molecular structure is smaller and easier to digest and absorb.

Source: Collagen peptides can be obtained from various sources, the most common being extracted from animal tissues such as fish, pig, bovine or chicken. Different sources may produce slightly different collagen peptides.

Bioavailability: Collagen peptide has a high bioavailability because of its small molecular structure and easy absorption. Once ingested, collagen peptides can quickly enter the bloodstream and be utilized by various tissues and cells in the body.

Advantage

The difference between collagen and collagen peptides

Collagen and collagen peptides are two forms of proteins that differ in structure and function.

Structure: Collagen is a large protein composed of three helical peptide chains. Its molecular structure is very large and usually contains thousands of amino acid residues. Collagen peptide is hydrolyzed from collagen, and its molecular structure is small, usually containing fewer amino acid residues.

Absorption and digestion: The macromolecular structure of collagen makes it difficult to be completely absorbed in the digestive tract. Collagen peptide is easier to digest and absorb due to its small molecular structure, thus improving the

bioavailability.

Function: Collagen is the most abundant protein in connective tissue, providing structural strength and elasticity to tissues such as skin, bones, muscles, ligaments, and blood vessels. Collagen peptide also has similar functions, but because of its small molecular structure, it is easier to penetrate into skin and other tissues, and is considered to have more functions such as anti-aging, promoting skin health, and maintaining joint health.

Application: Due to its high bioavailability, collagen peptides are often used as ingredients in health products and cosmetics to provide benefits for skin care and health maintenance. Collagen is commonly used in the fields of medical and biomaterials, such as for repairing tissue damage and as a scaffold material for fracture treatment.

Collagen Peptide Specifications

Product Code	Specifications	Source
SY-602001-1	Collagen Peptide Granules Type II	Bovine
SY-602002-1	Collagen Peptide Powder Type II	Bovine
SY-602006-1	Collagen Peptide Granules Type I	Fish
SY-602007-1	Collagen Peptide Powder Type I	Fish

Difference between collagen Peptide type II and type I:

Structure: Type II collagen is a helical protein with a more compact molecular structure. In contrast, type I collagen is a fibrous protein with a larger molecular structure.

Distribution: Type II collagen is mainly present in the tissues of cartilage and eyeball, and is an important component of cartilage and eyeball. Type I collagen is widely present in tissues such as skin, bones, muscles, blood vessels, and tendons.

Function: Type II collagen plays a crucial role in maintaining the structure and

function of cartilage, with the functions of nourishing, protecting, and reducing joint load. Type I collagen is crucial for providing tissue strength and stability, as well as for skin elasticity and wound repair.

Application: Due to its different tissue distribution and function, type II collagen is commonly used as a supplement for joint health and cartilage protection, which can help alleviate joint pain and improve joint mobility. Type I collagen is widely used in beauty and skin care products to improve skin elasticity and reduce the formation of wrinkles.

Collagen Peptide Function:

Collagen Peptide is widely used for skin care, joint health, and overall health maintenance. Here are some common collagen peptide products and their efficacy applications:

Skin care: Collagen peptides are widely used in skincare products because they promote skin hydration and elasticity. It can reduce the appearance of fine lines and wrinkles, increase the smoothness and firmness of the skin. Collagen peptides can also improve the elasticity and softness of the skin, brighten the complexion, and increase the youthfulness and health of the skin.

Joint health: Collagen peptides also have a positive impact on joint health. It is an important component of joint cartilage and ligaments, which can increase joint flexibility and reduce joint pain. The supplementation of collagen peptides helps to protect and repair joint tissue, reducing the risk of arthritis and joint degenerative diseases.

Bone health: Collagen peptides also have benefits for bone health. It participates in the formation of the matrix of bone tissue and promotes bone growth and repair. Supplementing collagen peptides can increase bone density, reduce the risk of osteoporosis, and improve the symptoms of osteoarthritis.

Hairdressing and Nail Strengthening: Collagen peptides also have a positive impact on the health of hair and nails. It can increase the elasticity and brightness of hair, reduce breakage and branching. For nails, collagen peptides can enhance the hardness and strength of nails, reducing issues of fragility and fragility.

Overall health: In addition to the aforementioned benefits, collagen peptides can also have a positive impact on other aspects of the body. It helps to improve immune

system function, promote intestinal health, improve digestion and absorption capacity and support muscle repair and growth.

Collagen Peptide Application:

It is widely used for skin care, joint health, and overall health maintenance.

Senior experts recommend taking collagen peptides on an empty stomach or within a period of time after meals for better absorption and utilization. A daily dose of collagen peptides ranging from **10 grams to 20 grams** is taken, depending on individual needs and goals. It is recommended to gradually increase the dose, observe individual responses, and adjust as needed.

Individual differences and goals: Collagen peptide needs and absorbability may be different for each individual, depending on age, health, lifestyle, and desired results. Some people may need lower doses for overall health, while others may need higher doses for specific needs, such as skin repair or joint health.

Please reach out to us if you need any product of Collagen Peptide Series

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