

CHICKEN CARTILAGE COLLAGEN

Type II Collagen Powder

What is Type - II Collagen(Chicken Cartilage Collagen) ?

BHN Type II Collagen Powder It is material produced with the high standard, including Collagen Type II and Mucopolysaccharide as structural components of Cartilage. We recommend this product is useful effect on human joint food supplement. Human body include the chondroitin sulfate type A but chondroitin sulfate type A is decreased human body by aging. Type II collagen is suitable for use and better absorption to body.

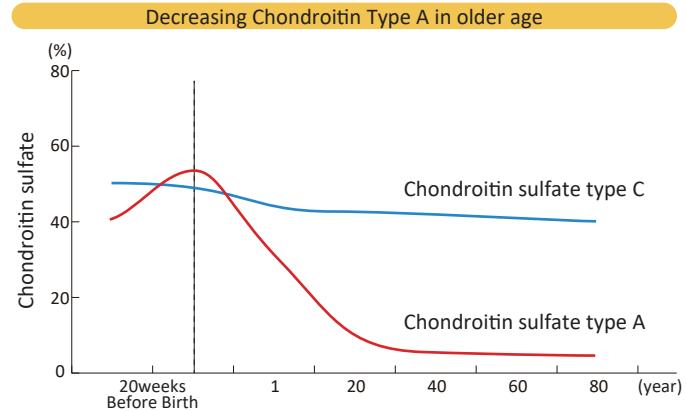


Raw material of Chicken Cartilage

Importance of Chondroitin Sulfate Type A

Chondroitin Sulfate can be categorized as Sulfate A, B,C,D,E,H, and K (7 types) by binding position and quantity. Among these groups, human has 2 types, especially Type A (Sulfate 4) and Type C (Sulfate 6), and mainly Type A is decreased by age. (Right graph as reference).

Today, Chondroitin made of sharks in the market contains only Type C and Type D. Chondroitin Sulfate made of chicken contains Type A. So, we recommend this material to you to supply Type A, which human loses in older age.



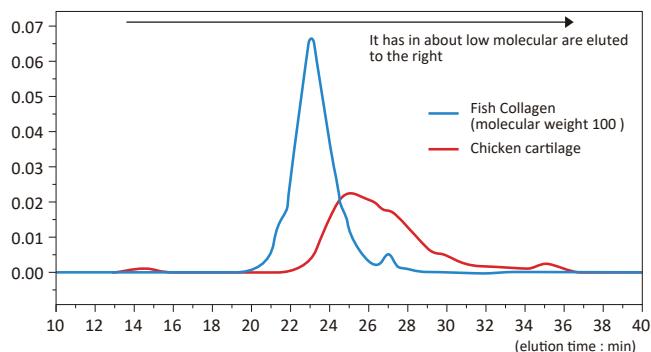
	Chondroitin sulfate		Type-A(4S)/Type-C(6S)
	Type-A:4S	Type-C:6S	
Chicken Cartilage powder	356944	99512	3.59
Shark cartilage powder	159546	352979	0.45

Highly Absorbable Low Molecular Weight Type II Collagen

The molecular weight distribution of type II collagen that contained in chicken breast cartilage and fish collagen extract powder that was measured in separate graphic shown that the average molecular weight is 1,000. which is considered as a low molecular weight in the market.

As the result shown in graphic, type II collagen (red line) was eluted to the right side together with fish collagen (blue line) with an average molecular weight is 1,000.

Therefore, the average molecular weight of the collagen derived from chicken breast cartilage extract powder is less than 1,000 and it is considered as highly absorbable.



CHICKEN CARTILAGE COLLAGEN

Osteoarthritis effect (Clinical Test)

Method

Test Protocol : 36 patients with knee Osteoarthritis (45-75 years old), classified into 3 experimental groups as

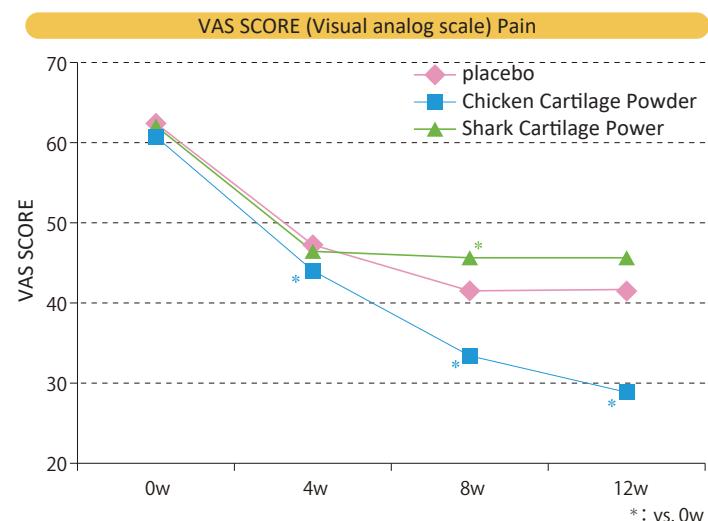
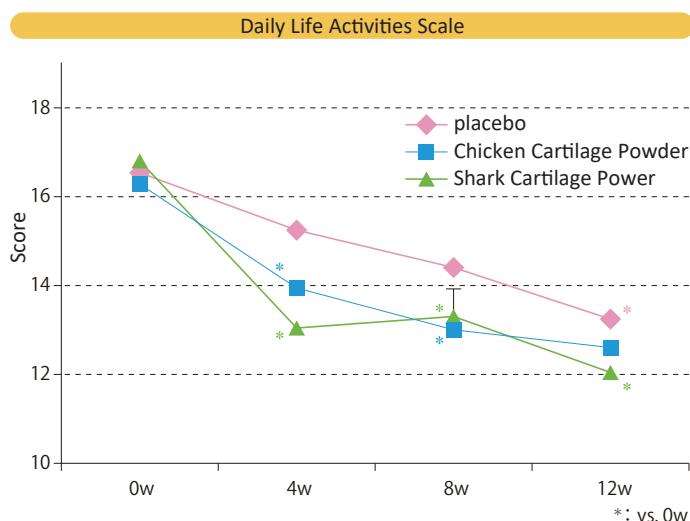
- Subjects that consume Chicken Cartilage Extract, (mucopolysaccharide $\geq 20\%$, Collagen Type II) $\geq 30\%$)
- Subjects that consume Shark Cartilage Extract, (mucopolysaccharide $\geq 70\%$)
- Subjects that consume placebo

Experiment period and dosage : consume 1,200 mg/day for 12 weeks

Measure : conduct before consumption, after 4 weeks, after 8 weeks and after 12 weeks by questionnaire from JKOM

Test Result : After 4 weeks, subjects that consume Chicken Cartilage Extract and Shark Cartilage Extract improve their daily life activities also pain reduction (for subject that has VAS 50%)

Both group of subjects that consume Chicken Cartilage Extract and Shark Cartilage Extract have improve in daily life activities but for pain reduction effect only subject that consume Chicken Cartilage Extract.



Product Specification & information about us

BHN Type II Collagen Powder

TEST	Specification
Appearance	Light yellow to yellow color powder
Odour	Characteristic odour
Moisture	Max 8%
Protein	Min 50%
Ash	Max 15%
Type II collagen (hydrolysate)	Min 30%
Chondroitin sulfate	Min 15%
Heavy metals(as Pb)	Max 20ppm
Arsenic(as As)	Max 2ppm
Total plate count	Max 3,000 cfu/g
Coliforms	Negative
Heat resistant bacteria	Max 1,000 cfu/g

Composition Chicken cartilage extract
Made in Thailand

- ◆ Packing: 10kg/carton box
- ◆ Storage conditions:
Should be stored in a dry and cool dark place.
- ◆ Shelf life: 3 years after manufacture (unopened)



BHN Co.,Ltd.

For more information www.bhn.co.jp(Link)

【Tokyo Head Office】

1-16, Kanda Nishiki-cho, Chiyoda-ku, Tokyo, 101-0054, Japan

TEL: +81-3-5281-5661 FAX: +81-3-5281-5662