

Artrosan with Collagen 60 capsules

EAN: 8437003093289 FABRICANTE: HIGIFAR



Artrosan is indicated for people who want to take care of their joints and achieve greater flexibility. With the passage of time and age, the joints wear out, consequently discomfort appears that can make it difficult for us to move around on a daily basis.

DESCRIPTION

Artrosan is a food supplement that serves to improve anomalies in our bone and joint system thanks to its top quality ingredients:

- **Hydrolyzed Collagen of marine origin** : Collagen is a protein found naturally in **cartilage, bones and skin** . Proteins, such as collagen, contribute to the maintenance of bones and muscles under normal conditions
- **Shark cartilage**
- **Chondroitin** and **Glucosamine**, a substance that is found naturally in the body and is involved in the formation of **ligaments, tendons and cartilage**
- **Harpagofito** : The European Medicines Agency (EMA) and ESCOP accept the traditional use of harpagofito root for the **relief of joint discomfort** .
- **Hyaluronic acid**: It is an essential component for the functioning of **joints** .

What is Artrosan used for?

Artrosan is used in cases of osteoarthritis of the spine, hip and knee, in low back pain and rheumatism by reducing inflammation and pain, as well as in the treatment of pain related to osteoarthritis, osteoarthritis, fibromyalgia, chronic low back pain and other osteoarticular conditions of origin. rheumatic or non-rheumatic.

What are the main ingredients of Artrosan?

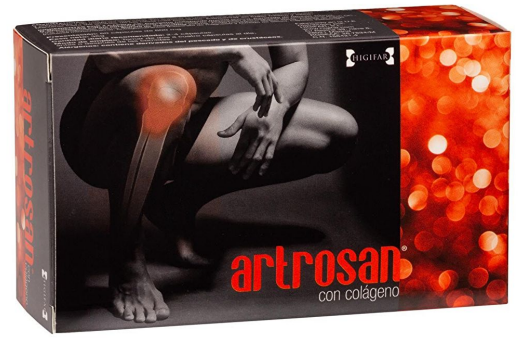
In each **Artrosan** capsule we can find:

- 150 mg of Hydrolyzed Collagen of Marine Origin.
- 100 mg of Shark Cartilage.
- 100 mg of Glucosamine Sulfate.
- 50 mg of Chondroitin Sulfate.



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- 100 mg of Harpagofito procumbens root extract standardized to 10% harpagosides.
- 10 mg of Hyaluronic Acid.

What function does hydrolyzed collagen of marine origin have in Artrosan?

Collagen is a protein, the most abundant in the human body and represents 6% of the body weight and 65% of all body proteins, forming the so-called triple helix, this protein joins together forming fibers, these fibers constitute the connective tissue .

Collagen is produced among other cells by fibroblasts, the main cells in connective tissue. The main amino acids in the formation of these proteins are glycine, proline, arginine and hydroxyproline.

Mainly, collagen provides strength and elasticity to various connective tissue organs, but over time its formation deteriorates, losing thickness and elasticity, causing joint and rheumatic problems, sagging and the formation of wrinkles.

There are 14 different types of collagen, but the most common are the first four, among which the following stand out:

- Type I collagen is found mainly in the dermis, bones and tendons.
- Type II collagen is the one found in the vitreous humor and cartilage.

There are different sources of collagen: synthetic, animal and marine origin, derived from algae, their proteins come from fucus and laminaria algae, the protein is extracted by biochemical processes, these proteins are hydrolyzed to reduce their molecular weight, type I collagen .

What function does shark cartilage have?

Shark cartilage is a substance very rich in glycosaminoglycans (GAGs), also called mucopolysaccharides, which are part of all our connective tissue (cartilage, tendons, skin, etc.) and are responsible for keeping water retained within the cartilage matrix. , to cushion both the friction and the impact that the joint receives during movement.

Shark cartilage usually has a GAG contribution of between 18 to 20%.



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Of the best-known GAGs, Glucosamine and Chondroitin stand out, which form the majority of the mucopolysaccharides of cartilage.

- **Chondroitin Sulfate:** it is a substance that is a natural part of cartilage and elastic connective tissue. Clinical studies have demonstrated its effectiveness in treating the symptoms and progression of osteoarthritis, due to its anti-inflammatory nature and draining of toxic substances from the joint. The recommended dose depending on the pathology ranges between 200 and 400 mg three times a day.
- **Glucosamine Sulfate :** It is the most used form of glucosamine. It is produced naturally in our body and is essential in the production of the cartilage structure. Clinical studies suggest that it is useful in relieving pain and improving mobility in osteoarthritis; as well as in delaying the progress of the disease. The recommended dose depending on the pathology ranges between 300 and 500 mg three times a day.

Shark cartilage helps in inflammatory and dermal processes: rheumatoid arthritis, osteoarthritis, psoriasis, ulcerative colitis and oxidative stress.

What function does chondroitin sulfate have?

It is another polysaccharide included in the group of glycosaminoglycans, being one of the main constituent elements of cartilage, which binds to a central protein, constituting the so-called proteoglycan, which gives cartilage its mechanical and elastic properties.

The therapeutic activity of chondroitin sulfate in osteoarthritis patients is due to an anti-inflammatory activity at the level of the cellular components of inflammation (in vivo), the stimulation of the synthesis of proteoglycans (in vitro) and endogenous hyaluronic acid (in vivo). and to the decrease in the catabolic activity of chondrocytes (in vivo) by inhibiting some proteolytic enzymes (collagenase, elastase, proteoglycanase, phospholipase A2, N-acetylglucosaminidase, etc.) (in vitro, in vivo) and the formation of other substances that damage cartilage (in vitro).

Chondroitin sulfate is also capable of modulating the activation of NF- κ B, inhibiting the nuclear translocation of this protein, involved in certain chronic inflammatory processes.

Clinical trials in osteoarthritis patients demonstrate that treatment with chondroitin produces a decrease or disappearance of the symptoms of osteoarthritis disease, such as pain and functional impotence, improving the movement of the affected joints, with an effect that lasts for 2 or 3 months after stopping treatment.



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What function does the standardized Harpagofito extract have?

Artrosan provides a standardized extract of Harpago root that for every 100 mg provides 10% of the active ingredient, harpagosides.

The active ingredients of Harpago root, among others, include systosterol, flavonoids and phenolic acids. The irioid glycosides or harpagosides stand out for their anti-inflammatory, analgesic and diuretic activity.

The constituents considered responsible for the activity of the harpagofito are iridoids: harpagoside (cinnamate of an iridoid hydroxylated at C-8, the harpagophyte), present in 1-3%, along with small amounts of 8-p-coumaroyl-harpagophyte, procumbide and its 6'-p-coumaroyl ester.

Various clinical studies show the effectiveness of the drug and its different extracts in the treatment of pain related to osteoarthritis, osteoarthritis, fibromyalgia, chronic low back pain and other osteoarticular conditions of rheumatic or non-rheumatic origin.

Various clinical studies highlight the effectiveness of Harpago root in cases of osteoarthritis of the spine, hip and knee, in low back pain and rheumatism by reducing inflammation and pain, since harpagosides have the ability to inhibit the production of enzymes that mediate the inflammatory response, as is the case of cyclooxygenase type 2.

What function does hyaluronic acid have?

It is a polysaccharide of the glycosaminoglycan type that has a structural function in the connective tissue, vitreous humor and synovium, with an important role in joint homeostasis.

It has the property of retaining large amounts of water and adopting an extended conformation in solution, which is why they are useful when cushioning or lubricating.

It is used as a nutritional supplement for joints in treatments for joint pain or osteoarthritis and for connective or connective tissue. Hyaluronic acid can also eliminate free radicals, the tissue-damaging byproducts of oxygen metabolism, which can lead to inflammation and cancer.

It provides luminosity to the skin and lubricates the joints, since its main function is the absorption of water, ensuring adequate transport of nutrients, the balance of interstitial fluid and eliminating waste substances.



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What contraindications does Artrosan have?

Its use is not recommended in pregnant women, mothers during the breastfeeding period, children and people who have suffered a heart attack, or in post-surgical patients.

Glucosamine and chondroitin are large molecules that are difficult to digest and can sometimes cause gastric discomfort.

Glucosamine can cause allergic changes in people with hypersensitivity to shellfish.

Due to its salicylate content, it is not recommended for use in patients with hypersensitivity, peptic ulcer, gastritis, asthma, or coagulation disorders.

It can enhance the effects of non-steroidal anti-inflammatory drugs, anticoagulants, oral anticoagulants, antiplatelet agents, alcohol and barbiturates.

Devil's claw extracts inhibit certain cytochrome P450 enzymes and, consequently, may interfere with the metabolism of numerous drugs, including coumarin anticoagulants, antihypertensives, statins, antidiabetics, antiepileptics and some antidepressants.

It is advisable to monitor the possibility of interaction with antiarrhythmic medications. In cases of gastroduodenal ulcer it is better not to combine **Artrosan treatment**.

