Glucosamine & Chondroitin Plus

With Vitamin C and Bromelain



DESCRIPTION

Glucosamine & Chondroitin Plus is formulated to help support healthy joint function by providing nutritional components necessary for cartilage synthesis and maintenance.

FUNCTIONS

Joint disease, mainly osteoarthritis is a potentially debilitating condition that affects the soft tissue matrix that "cushions" our joints. To help support the structural integrity of joint cartilage, glucosamine and chondroitin offer significant benefits. Glucosamine and chondroitin sulfate are both integral components of healthy joint tissue and are the forms that have been used in the major clinical trials. Glucosamine sulfate helps support the production, and limit the breakdown of proteoglycans, a class of compounds that make up the cartilage matrix of joint tissue.

Chondroitin sulfate has been shown to support the structural matrix of joints as well as the production of hyaluronic acid (major component of synovial fluid which keeps joints "lubricated" and moving freely).

Chondroitin sulfate may also help limit chondrocytes from producing enzymes and other compounds that stimulate the breakdown of the cartilage matrix of joint tissue. To help support healthy cartilage, manganese and vitamin C are added because they are essential for the production of the collagen matrix that helps support the structural integrity of cartilage.

INDICATIONS

Glucosamine & Chondroitin Plus may be a useful dietary supplement for those who wish to support healthy functioning and flexibility of the joints by maintaining cartilage integrity.

SUGGESTED USE

Adults take 3 tablets daily at mealtime or as directed by a healthcare professional.

SIDE EFFECTS

People with shellfish allergies or who are currently taking anticoagulant medication should consult with their healthcare professional before taking Glucosamine & Chondroitin Plus.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

FORMULA (WW #10070)

3 Tablets Contain:

•
Vitamin C (as ascorbic acid)400 mg
Manganese (as amino acid chelate) 10 mg
Glucosamine Sulfate
(from 2,000 mg glucosamine sulfate potassium chloride)
Chondroitin Sulfate Complex 1,200 mg
(Standardized to 90% [1,080 mg] Chondroitin Sulfate)
Bromelain (Ananas comosus fruit extract) 50 mg
(Standardized to 1,800 GDU*/gm)

*GDU (Gelatin Digestive Units) are a measure of the relative strength of digestive aids.

Other Ingredients: dicalcium phosphate, cellulose, modified cellulose gum, magnesium stearate, and silica. Contains shellfish and soy.

This product contains NO sugar, salt, dairy, yeast, wheat, gluten, corn, preservatives, artificial colors or flavors.

REFERENCES

Braham R, Dawson B, Goodman C. The effect of glucosamine supplementation on people experiencing regular knee pain. Br J Sports Med 2003;37:45-9.

Bruyere O, Pavelka K, Rovati LC, et al. Total joint replacement after glucosamine sulphate treatment in knee osteoarthritis: results of a mean 8-year observation of patients from two previous 3-year, randomised, placebocontrolled trials. Osteoarthritis Cartilage 2008;16:254-60.

Persiani S, Rotini R, Trisolino G, et al. Synovial and plasma glucosamine concentrations in osteoarthritic patients following oral crystalline glucosamine sulphate at therapeutic dose. Osteoarthritis Cartilage 2007;15:764-72.

Hoffer LJ, Kaplan LN, Hamadeh MJ, et al. Sulfate could mediate the therapeutic effect of glucosamine sulfate. Metabolism 2001;50:767-70.

Gabay C, Medinger-Sadowski C, Gascon D, et al. Symptomatic effect of chondroitin 4 and chondroitin 6 sulfate on hand osteoarthritis: a randomized, double-blind, placebo-controlled clinical trial at a single center. Arthritis Rheum 2011;63:3383-91.

Kelly GS. The role of glucosamine sulfate and chondroitin sulfates in the treatment of degenerative joint disease. Altern Med Rev 1998;3:27-39.

Knudsen J, Sokol GH. Potential glucosamine-warfarin interaction resulting in increased international normalized ratio: Case report and review of the literature and MedWatch database. Pharmacotherapy 2008;28:540-8.

Danao-Camara T. Potential side effects of treatment with glucosamine and chondroitin. Arthritis Rheum 2000;43:2853.

Rozenfeld V, Crain JL, Callahan AK. Possible augmentation of warfarin effect by glucosamine-chondroitin. Am J Health Syst Pharm 2004;61:306-307.

Leeb BF, Schweitzer H, Montag K, Smolen JS. A meta-analysis of chondroitin sulfate in the treatment of osteoarthritis. J Rheumatol 2000:27:205-11.

Manufactured For:

Fireside Pharmacy 73847 Hwy III Palm Desert, CA 92260 760.346.1113

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.