

Joint-Support Formula Supporting Healthy Joint Function†

DESCRIPTION

Joint-Support Formula, provided by Douglas Laboratories®, is a unique and comprehensive combination of natural ingredients, including glucosamine sulfate, shark cartilage, and bromelain, carefully formulated and specifically designed to support joint health and comfort.†

FUNCTIONS

Joint-Support Formula offers intensive support for the maintenance of joint health and comfort. † Glucosamine is a naturally occurring amino sugar found in glycosaminoglycans (mucopolysaccharides), integral components of the proteoglycans found in joint cartilage. Proteoglycans are large carbohydrate-rich structures that provide resiliency, load distribution, shock-absorbing, compressive and lubricating properties to joints and connective tissues.† Dietary glucosamine serves as an immediate precursor for glycosaminoglycan synthesis, and also stimulates incorporation of other precursors into the connective tissue matrix. The availability of glucosamine is an integral part of the synthesis of glycosaminoglycans and proteoglycans that are necessary during the constant remodeling that normal aging cartilage undergoes. Thus, glycosaminoglycans and proteoglycans may support the maintenance of healthy aging cartilage.†

Joint-Support Formula also includes oral glucosamine, which is highly bioavailable. It is absorbed intact, and utilized very quickly by all tissues, including connective tissues. Glucosamine sulfate is more efficiently used for connective tissue metabolism than other glucosamine sources, such as cartilage extracts or chondroitin sulfate. Glucosamine sulfate is a well-recognized, highly effective source of glucosamine for glycosaminoglycan and proteoglycan synthesis in all connective tissues, such as cartilage, ligaments, tendons, skin, and bone.†

Bromelain, a protease from the pineapple plant, provides support for the musculoskeletal system.† Other herbs in Joint-Support Formula such as licorice, feverfew, devil's claw, and turmeric, also provide support for normal physiological processes. †

INDICATIONS

Joint-Support Formula may be a useful dietary supplement for those who wish to support joint health and comfort.†

FORMULA (#4547)

Four Tablets Contain:

Vitamin A (25% as Vitamin A Palmitate/75% [15,000 IU] as Beta-Carotene)	20,000 I.U.
Vitamin D-3.....	50 I.U.
Vitamin E (Succinate).....	200 I.U.
Vitamin C (Ascorbic Acid).....	1,000 mg
Vitamin B-1 (Thiamine HCl).....	50 mg
Vitamin B-2 (Riboflavin).....	25 mg
Niacin.....	20 mg
Niacinamide.....	100 mg
Pantothenic Acid (as d-Calcium Pantothenate)	150 mg
Vitamin B-6.....	25 mg
(as Pyridoxine HCl/Pyridoxal-5-Phosphate Complex)	
Vitamin B-12 (cyanocobalamin)	100 mcg
Folic Acid.....	800 mcg
Biotin.....	300mcg
Choline(from Choline Citrate/Bitartrate)	20 mg
Inositol	25 mg

Joint-Support Formula

Supporting Healthy Joint Function†

Citrus Bioflavonoid Complex	100 mg
PABA (Para-Aminobenzoic Acid)	50 mg
Calcium (Citrate/Ascorbate/Carbonate Complex)	300 mg
Magnesium	300 mg
(Aspartate/Ascorbate/Oxide Complex)	
Potassium (Aspartate/Chloride Complex)	75 mg
Zinc (Aspartate/Oxide/Krebs Complex)	50 mg
Copper (Amino Acid Chelate)	2 mg
Manganese (Aspartate/Sulfate Complex)	15 mg
Chromium GTF	200 mcg
(Organically bound with GTF activity-low allergenicity)	
Selenium	300 mcg
(Organic Selenium in Krebs† Cycle and Kelp)	
Molybdenum (Krebs†)	50 mcg
Vanadium (Krebs†)	25 mcg
Boron (Aspartate/Citrate Complex)	1 mg
Trace Elements (Sea Vegetation)	100 mcg
Aspartic acid	250 mg
Proprietary Blend	500 mg
Turmeric root (<i>Curcuma Longa</i>), Pancreatin 8X (providing Protease, Amylase and Lipase activity), Licorice (<i>Glycyrrhiza glabra</i>), Quercetin dihydrate, Betaine HCl/Glutamic acid HCl, Shark Cartilage Powder, Glucosamine Sulfate (from crab and shrimp), Pepsin, Bromelain, Young Wheat Sprouts, Feverfew, Devil's Claw, Grape seed extract, Ginseng (<i>Panax</i>), Skullcap, N-Acetyl-L Cysteine/L-Cysteine HCl, L-Methionine	

†Krebs=Citrate, Fumarate, Malate, Glutarate and Succinate Complex

SUGGESTED USE

Adults take 4 tablets daily with meals or as directed by a healthcare professional.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

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

REFERENCES

- Giordano N, Nardi P, Senesi M, et al. Clin Ter 1996;147:99-105.
 Gottlieb MS. J Manipulative Physiol Ther 1997;20:400-14.
 Kelly GS. Altern Med Rev 1998;3:27-39.
 Leffler CT, Philippi AF, Leffler SG, et al. Mil Med 1999;164:85-91.
 Lotz-Winter H. Planta Med 1990;56:249-53.
 McCarty MF. Med Hypotheses 1998;50:507-10.
 Qiu GX, Gao SN, Giacobelli G, et al. Arzneimittelforschung 1998;48:469-74.
 Setnikar I, Cereda R, Pacini MA, Revel L. Arzneimittelforschung 1991;41:157-61.
 Shankland WE, 2nd. Cranio 1998;16:230-5.
 Taussig SJ, Batkin S. An update. J Ethnopharmacol 1988;22:191-203.

Joint-Support Formula

Supporting Healthy Joint Function†

For more information on Joint-Support Formula visit douglaslabs.com

† 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.

Manufactured by
Douglas Laboratories
112 Technology Drive
Pittsburgh, PA 15275
800-245-4440
douglaslabs.com



© 2016 Douglas Laboratories. All Rights Reserved.

DL4547-0416