

# JOINT VIBRANCE®



## THE MOST COMPLETE Joint Formula



### Supplement Facts

Serving Size 1 scoop (18.3g)  
Servings per container About 21

Amount per serving	% Daily Value	Amount per serving	% Daily Value
Calories.....	70	Glucosamine hydrochloride.....	1.5 g.....*
Calories from fat.....	5	98% (Crustacean)	
Total Fat.....	0.5 g..... 1%**	Chondroitin sulfate A 90%.....	1 g.....*
Total Carbohydrate.....	5 g..... 2%**	(bovine)	
Dietary fiber.....	1 g..... 4%	Hyaluronic acid 95%.....	120 mg.....*
Protein.....	11 g..... 22%**	<b>ANTIOXIDANTS/FLEXIBILITY FACTORS</b>	
Vitamin C (ascorbic acid).....	100 mg ...167%	MSM (methylsulfonylmethane).....	1 g.....*
Calcium.....	192 mg .... 19%	(from lactate & other ingredients)	
(from lactate & other ingredients)		Iron.....	4 mg .... 22%
Magnesium.....	79 mg .... 20%	(from lactate & other ingredients)	
Zinc (from citrate).....	10 mg .... 67%	Calcium fructoborate 2.5%.....	120 mg.....*
Manganese (from citrate).....	5 mg ...250%	providing 3 mg boron	
Sodium.....	130 mg ... 5%**	Boswellia serrata gum 20%.....	100 mg.....*
Potassium.....	470 mg ... 13%**	AKBA extract (ApresFlex®)	
Silica (from Horsetail Stem ext.).....	3 mg.....*	CurcuWIN™ Turmeric.....	100 mg.....*
<b>CARTILAGE BUILDERS</b>		Curcuma longa Rhizome ext.	
Type 1 (Bovine) hydrolyzed.....	8.6 g.....*	(20% Curcuminoids)	
collagen		Bromelain 2400 GDU/g.....	100 mg.....*
Type 2 (Avian) hydrolyzed.....	2 g.....*	(from pineapple stem)	
collagen		Grape seed 95% polyphenols/.....	25 mg.....*
		40% OPCs standardized extract	

**Other Ingredients** Natural Orange Pineapple Flavor (655mg), Citric acid Powder (500mg), Yacon (Smallanthus sonchifolius) root powder (320mg), Stevia rebaudiana leaf extract certified organic (135mg), Sunflower lecithin powder Non-GMO (100mg)

**\*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.**

ApresFlex is a registered trademark of Laila Nutraceuticals exclusively licensed to PL Thomas - Laila Nutra LLC, U.S. Patent #8,351,496 and other patents pending. MenaQ10 is a registered trademark of Ixora S.p.A. MenaQ10 contains soy (as lecithin only). MenaQ10 contributes 57mg non-GMO, hypoallergenic, anti-oxidant free soy lecithin.

Joint Vibrance is intended for regular daily use in maintenance of healthy joint function. No other formula is as complete! It takes more than just one ingredient to repair joints. Some only rehydrate; others only support connective tissue. Joint Vibrance combines botanical extracts, specific minerals, powerful nutrients and much more to restore joint function and structure.\* As an added benefit, watch fine lines & wrinkles fade, and hair and nails grow longer and stronger.

**Directions** Once a day as a dietary supplement, mix 1 scoop (enclosed) of Joint Vibrance into 4 to 8 oz. of water, diluted fruit juice or your beverage of choice. Stir briskly or blend in a shaker bottle. Best taken between meals to maximize absorption of nutrients.

Also Available in Tablets, 252 count (JVT)



### Rehydrates + Rebuilds + Reduces with:

- Over 10,500mg of Type 1 & Type 2 Collagen
- 1000mg of Methylsulfonylmethane
- 1500mg of Glucosamine HCL
- 1000mg of Chondroitin Sulfate A
- 120mg of Hyaluronic acid
- and much more!\*



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## Joint Vibrance Builds Healthy Joints. No other formula is as complete.

Arthritis, sports injuries, repetitive motion on the job, sprains and strains give nearly everyone some degree of cartilage breakdown by the age of 32 to 35.

Joint Vibrance provides cartilage building cells (chondrocytes) with the proper nutrients necessary for construction of new cartilage and synthesis of hyaluronic acid. As we age, chondrocyte activity slows and eventually fails to adequately compensate for the daily wear and tear placed on joints by an active lifestyle.

Today's science has shown us that the function of chondrocytes can be sustained as long as their nutritional requirements are met. Cartilage can be brought back to greater levels of health, strengthened and thickened if proper nutrients are supplied. There is one controlling principle in the effort to rebuild cartilage: There must be some cartilage with viable chondrocytes in the joint in order for repair to proceed.

### The Collagens

Two types of hydrolyzed collagen serve as the backbone of Joint Vibrance. Human clinical trials have shown that new cartilage could be detected by x-ray examination of joints after six weeks of consuming 7 to 10 grams of type 1 collagen, or just 1 to 2 grams of type 2 collagen. Joint Vibrance supplies both type 2 and type 1 collagen.

Cartilage is made up of a mass of collagen fibers held together in a proteoglycan matrix or glue. (That glue is primarily synthesized from chondroitin sulfate A.) The collagen in cartilage – type 2 collagen – is slightly different in its composition than type 1 collagen found in bone, skin, tendons, blood vessel walls, and organs. As a result, supplemental type 2 collagen directly benefits cartilage synthesis.

Type 1 collagen aids the synthesis of cartilage when large doses are given, supports the integrity of tendons, and supports bone health. Bone is composed of 30% to 36% type 1 collagen. Since cartilage deterioration is often accompanied by bone deterioration, the type I collagen in Joint Vibrance will help maintain the integrity not only of cartilage, but also of bone and the stabilizing of tendons wrapped around joints. Joint Vibrance then, does not just seek to build cartilage, but expands beyond that role to improve all components of the joint.

### CSA, Glucosamine & Hyaluronic acid

Chondroitin sulfate A is fashioned by chondrocytes into the sticky protein-sugar (proteoglycan) matrix, or glue, that holds all the collagen fibers together to form cartilage. Glucosamine is

converted to hyaluronic acid by chondrocytes. Each molecule of hyaluronic acid contains 5 molecules of water, giving it a very large, slippery structure. Its goal is to escape the chondrocyte where it was made, and slowly work its way out through the cartilage to take its place as a major structural component in synovial fluid. Along the way, the glucosamine that has now become hyaluronic acid, rehydrates cartilage, giving it greater cushioning power. In addition, Joint Vibrance delivers 120mg of hyaluronic acid. This is intended to support and replenish the hyaluronic acid content of synovial fluids in every joint. But it takes more than collagen hydrolysates, glucosamine, chondroitin and hyaluronic acid to provide first class nutritional support to chondrocytes.

### Silica/Silicon

Silica from horsetail contributes the element silicon to connective tissue, giving them strength and stability. It is found in precisely the tissues we are discussing here: bone, cartilage, and tendons (as well as skin and blood vessels) helping to make them strong.

### Antioxidants

Inflammation in sore, aching joints is characterized by oxidative damage to cells in the affected area. White blood cells (leukocytes) and macrophages, immune cells that travel through tissues looking for damage to clean up, utilize free radicals to dismantle the cellular debris they ingest as part of their cleanup work. Free radicals, inadvertently released during the process, run amok, inflicting some damage to healthy tissue surrounding the original site of injury. Antioxidants can help control these biochemical events.

Grape seed extract, CurcuWIN™, ApresFlex® Boswellia serrata extract and bromelain extracted from pineapple stems all help quell free radical activity and resultant discomfort. Condensed tannins from grapeseed extract temporarily bind broken collagen fibers for a “quick fix” in connective tissues (e.g. ligaments, tendons, skin etc.). 1000 mg of MSM (methylsulfonyl methane) support flexible disulfide bonds in those same connective tissues.

ApresFlex® concentrates AKBA, the acronym for 3-O-Acetyl-11-keto-beta-boswellic acid. AKBA is the most active compound of Boswellia serrata extracts. AKBA is a potent inhibitor of the enzyme, 5-lipoxygenase (5-LOX), a key enzyme in the synthesis of cell messengers (leukotrienes) that are made from the ubiquitous omega-6 fatty acid, arachidonic acid. The dose of ApresFlex® required to quell the manufacture of leukotrienes is just 100 mg. That is what you will find in each serving of Joint Vibrance.\*

