



Joint Health™

by CORALadvantage®

Product Data

Product Code AN-CA14 and CA-22



Description

Joint Health, in vegetarian capsules, is designed to deliver high quality ingredients, combining herbal extracts designed to rapidly modulate all of the major inflammation factors involved in joint health, other joint targeted nutrients to help lubricate and repair joints, and a absorption optimized multi-mineral complex to help alkalize the body and modulate the release of inflammatory hydrolytic enzymes from synovial cells in the joints. This formula also is an excellent calcium/magnesium, mineral, trace mineral and full multi-vitamin formula often eliminating the need for separate vitamins and minerals. Joint Health and all ANI formulas are manufactured in a FDA and NSF GMP registered facility.

Functions

Millions of Americans suffer from degenerative arthritis, also known as osteoarthritis, that to varying degrees is part of the natural aging process. This process can be controlled and not all individuals suffer from the same level of progression of this deterioration of joint tissues. The "aging battle" that occurs within the joints can be summarized as loss of cartilage and inflammation. The chondrocytes, (the cartilage producing cells) within the joint can become damaged or undernourished, compromising their ability to repair the joints. Secondly, inflammation, the literal medical translation being "-itis" hence the term osteoarthr-itis (bone-joint) leads to further destruction when not kept in check. Inflammation factors like COX-2, 5-LOX, TNF-a, IL-1b and IL-6 can be modulated by natural herbals, and chronic, low-level acidosis resulting from the American high-protein diet can be alkalyzed by bioavailable, ionized minerals. The goal is simple, to provide the nutrients the body needs to modulate inflammation factors, repair the joints and maintain joint health. The cytokine factors, TNF-a, IL-1b and IL-6, are not modulated by COX-2 inhibitors and many other products, so Joint Health may gets results when other products have failed.

Formulation and Co-Nutrient Highlights

Key to any joint formula should be providing the general support to the body's entire connective tissue system while focusing on joint health. Simply put, your joints provide the structural integrity key to all connective tissue health. All of these parts contribute to overall strength and resilience.

NSF is a registered trademark of the National Sanitation Foundation.

In nature's pharmacy there is truly no such thing as isolated "pharmaceutical grade" chemicals. Unlike a prescription drug, naturally occurring substances exist in balance. Thus, during the formulation process this inherent patterning was paralleled. A specialized technique called "stacking" was used to augment various nutrients with co-factors essential for proper metabolic effect and enhanced bio-effectiveness. Additionally, it is well documented that the production and maintenance of joint and cartilage health is dependent upon sufficient quantities of numerous building blocks including sulfur, glucosamine, hyaluronic acid, silica and numerous minerals. Therefore this formula contains each of these vital factors as well as inflammation modulating herbal ingredients:

1. Herbal extracts: Potent, fast acting herbal extracts that modulate all of the inflammation factors involved in joint health. See Table 1.
2. Glucosamine: builds joint cartilage, reduces destruction of cartilage from NSAIDs, lubricates the joints, helps in formation of bones and ligaments (note that 800mg of the HCl form has as much glucosame as 1000mg of the Sulfate form)
3. MSM: provides sulfur for collagen and glucosamine production and increases cell permeability to get nutrients in and waste products out of synovial joints
4. Hyaluronic Acid: high concentration in synovial joint fluid (main joint lubricant)
5. Bioflavonoids: helps repair broken capillaries plus antioxidant support and co-nutrient function
6. Red Algae Powder: Rich source of silica, important for connective tissue integrity

Indications

The clinical indications are two-fold, either preventatively to help maintain healthy joints or as a healing agent with the intended goal of augmenting the body's natural mechanisms.

Formula

<u>Amount per 6 capsule serving</u>	<u>Amount</u>	<u>%DV</u>
Glucosamine HCl (shellfish source)	800 mg	*
MSM (methylsulfonylmethane)	250 mg	*
Lysine HCl	100 mg	*
Citrus Bioflavonoids	150 mg	*
Boswellia serrata (65% boswellic acid)	150 mg	*

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.

PD07



Product Data

Product Code AN-CA14 and CA-22

Table 1

Herbal Extracts	Joint Inflammation Factors					Active Ingredient
Inflammatory Mediators	Prostaglandins	Leukotrienes	Cytokines			
Factors	COX-2	5-LOX	TNF- α	IL-1b	IL-6	Standardized to:
Tumeric extract	√	√	√	√	√	95% curcuminoids
Ginger extract	√	√	√	√	√	5% gingerols
Devil's Claw extract	√					5% harpagosides
Boswellia Serrata extract		√				65% boswellic acid
Nettle leaf extract	√	√	√	√	√	1% silicic acid
Soy extract					√	40% isoflavone

Amount per 6 capsule serving	Amount	%DV
Devil's Claw Root Extract (5% harpagosides)	150 mg	*
Ginger Root Extract (5% gingerols)	150 mg	*
Nettle Leaf Extract (1% silicic acid)	150 mg	*
Turmeric Extract (95% curcuminoids)	150 mg	*
Yucca Root Extract (8:1)	150 mg	*
Soy Extract (non-GMO with 16mg isoflavones)	40 mg	*
Hyaluronic Acid	10 mg	*
Red Algae Powder <i>(lithothamnium corallioides yielding 4 mg elemental silicon)</i>	60 mg	*

Vitamin A (as beta carotene)	5000 IU	100%
Vitamin C (as ascorbic acid)	150 mg	250%
Vitamin D-3	1000 IU	250%
Vitamin E (as d-alpha tocopherol)	200 IU	667%
Vitamin K-2 (as menaquinones)	40 mcg	50%
Thiamine (B-1)	15 mg	1000%
Riboflavin (B-2)	20 mg	1176%
Niacinamide (B-3)	50 mg	250%
Pyridoxine (B-6)	50 mg	2500%
Folic Acid	400 mcg	100%
Cyanocobalamin (B-12)	200 mcg	3333%
Biotin	150 mcg	50%
Pantothenic Acid (B-5)	25 mg	250%
Calcium (from 1000mg marine coral)	230 mg	23%
Calcium (from calcium citrate)	195 mg	20%
Iodine (from kelp)	150 mcg	100%
Magnesium (from marine coral)	110 mg	28%
Magnesium (from magnesium citrate)	115 mg	29%
Zinc (amino acid chelate)	15 mg	100%
Selenium (amino acid chelate)	100 mcg	143%
Copper (amino acid chelate)	1 mg	50%
Manganese (amino acid chelate)	8 mg	400%
Chromium (amino acid chelate)	100 mcg	83%
Potassium (amino acid chelate)	50 mg	1%
Boron (amino acid chelate)	3 mg	*
Strontium (amino acid chelate)	1.6 mg	*
Vanadium (as vanadyl picolinate)	1.6 mg	*

Other Ingredients: Plant cellulose capsules and up to 70 trace elements from marine coral and red algae.

Each serving contains 1000 mg of natural marine coral from Okinawa, Japan, an excellent source of calcium, magnesium and trace minerals.

Suggested Use

Take 6 capsules daily with meals or as directed by a physician or health care practitioner. For best results take with meals divided over 3 meals per day. For immediate relief, take up to 6 capsules at one time, and for rapid results take up to 12 capsules per day for up to 30 days. Avoid taking with soft drinks that contain phosphoric acid since it binds with calcium. Also avoid taking with iron supplements and sulfate containing supplements (e.g., chondroitin sulfate) to avoid calcium-sulfate interactions. Acid forming foods including alcohol, caffeine, carbonated soft drinks, red meat, and saturated fats may increase requirements for calcium and other minerals.¹ Consult a health professional for more information.

Cautions

Warning: Contains glucosamine derived from shellfish. Not suitable for persons allergic to shellfish. This formulation is generally well tolerated, with support for GI health an important consideration. Not recommended for children.

How Supplied

Bottles contain 60 or 180 capsules, packed 12 bottles per case. Dated shelf life is three years.

Storage

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

Advanced Nutritional Innovations, Inc.

149 Industrial Way

Fallon, NV 89406

www.cajointhealth.com

1-866-848-2797

¹ Acid-Alkaline Balance and its Effect on Bone Health. Susan E. Brown PhD, CCN and Russell Jaffe, MD, PhD, CCN, Intl. Journal of Integrative Medicine vol 2, number 6, Nov/Dec 2000.