

# Joint Replete™

Featuring ETArrol™  
New Zealand Green-Lipped Mussel Extract

## INGREDIENTS:

- ETArrol™ (green-lipped mussel)
- Chondroitin Sulfate
- Glucosamine HCl
- MSM (methyl-sulfonyl-methane)
- Hyaluronic Acid
- Avocado/Soybean Unsaponifiables (ASU)
- Manganese (as manganese glycinate 16%)
- Vitamin C (as ascorbic acid)

### SHOULDER HIGHSCHOOL VOLLEYBALL



### KNEE JOGGING IN THE PARK



### SPINE DISC DEGENERATION



### HAND/FINGERS SECRETARY FOR 20 YEARS



## APPLICATIONS:

- Maintains Healthy Collagen
- Aids in Reducing Joint Swelling
- Supports Anti-Inflammatory Activity
- Promotes Cartilage Strength and Resilience
- Helps Provide Nourishment For Spinal Discs
- Promotes Formation of Mucopolysaccharides
- Promotes Healthy Bone Growth and Development

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ACHIEVING PHYSIOLOGICAL BALANCE

**Joint Replete™** provides a wide spectrum of nutritional support for optimum cartilage and joint health, caused from deterioration due to aging and abuse. It combines some of the most important constituents known for maintaining and rebuilding the matrix of the collagen and connective tissue.

**ETArol™:** is a cold-processed, proprietary extract of whole New Zealand green-lipped mussels and contains essential fatty acids including EPA, DHA and eicosatetraenoic acids (ETAs). ETAs play a key role in the reduction of joint swelling due to arthritis. Studies show that ETA oils from sea mussels are more effective at reducing inflammation than aspirin or ibuprofen. In addition to the ETAs, ETArol™ also contains naturally chelated minerals, vitamins, nucleic acids (RNA and DNA), glucosamine, chondroitin, and glycosaminoglycans (GAG's). GAGs, long, unbranched chains of complex sugar, are the principle components of cartilage and synovial fluid found in the joints. There are nine principle classes of GAGs. It has been published that glucosamine and chondroitin contain only two of the nine classes of GAGs. In contrast, ETArol™ contains all nine of these principle classes, which enhances the reversal of the arthritic process and provides all the building blocks necessary to rebuild damaged cartilage.\*

**Avocado-Soybean Unsaponifiables (ASU):** is a mixture of healthy substances derived from small portions of avocado and soybean oils. Unsaponifiable oils make up less than 1% of the soybean and avocado oils. ASU is a completely vegetarian ingredient and has been shown to stimulate the production of new cartilage (both collagen—the framework and proteoglycan molecules—that give the shock-absorbing properties) while reducing the breakdown of existing cartilage. ASU causes cartilage cells to produce the four types of collagen in the exact proportion as is found in normal, healthy joint cartilage. Four high-quality clinical trials suggest that it may help to improve the pain and stiffness of knee and hip osteoarthritis and possibly reduce the need for non-steroidal anti-inflammatory drugs (NSAIDs).\*

**Chondroitin Sulfate:** is a mucopolysaccharide (primary proteoglycan) found in cartilage, tendons and ligaments, where it is bound to proteins such as collagen and elastin. In our joints, chondroitin sulfate contributes to strength, flexibility and shock absorption. Due to its strong electronegative charge, it attracts and retains water. Thus providing cartilage resistance and elasticity. Chondroitin has anti-inflammatory properties and decreases the levels of reactive oxygen species.\*

**Glucosamine HCl:** is a chondroprotective agent naturally manufactured by the body. It makes up what one might refer to as the slippery layer between the bones, that which allows the bones in a joint to move without friction. It functions in stimulating the production of key sulfur based structural components of cartilage necessary for correct joint function and repair. Glucosamine HCl supplies the raw materials (Glycosaminoglycans), which the joint cartilage requires for building blocks to repair joint cartilage tissue.\*

**MSM (methylsulfonylmethane):** is an organic form of sulfur readily absorbed and utilized by your body. MSM is composed of 34% bio-available sulfur, making it the richest source of organic sulfur available. Sulfur is a component of the proteins necessary for the formation of bones, collagen (connective tissue) skin, hair, nails and muscle. It is the fourth most plentiful mineral in the body and it essential for life. MSM is a safe, natural, assimilable food that assists the body in maintaining adequate sulfur stores.\*

**Hyaluronic Acid (Hyaluronan):** is an essential natural occurring non-sulfated chemical (glycosaminoglycan) that is found in human connective, epithelial, synovial fluid and hyaline cartilage. It helps create a viscous environment, cushioning joints and maintains normal function. It is one of the chief components of the extracellular matrix. Hyaluronan is an important component of articular cartilage, where it is present as a coat around each cell (chondrocyte).\*

**Vitamin C and Manganese:** Vitamin C is essential for every step of the multi-step synthesis of collagen and for maintaining its integrity. Serum levels of ascorbate and dehydroascorbate appear to be related to the degree of joint inflammation in arthritic rats. Manganese is important in the growth and development of normal bone and in the synthesis of cartilage. Studies in rats, rabbits and humans have demonstrated a joint supportive, anti-inflammatory effect of a combination of glucosamine, chondroitin and manganese ascorbate measurable by indices such as the Lesquene Index, X-rays, histologic (tissue) index (HI) scoring of lesions, T-cell proliferation and serological studies for antibody classes and subclasses.\*

## Supplement Facts

Serving Size: 4 Capsules  
Servings Per Container: 30

	Amount	%Daily Value*
Vitamin C (as ascorbic acid)	75 mg	125%
Manganese (as manganese glycinate 16%)	10 mg	500%
ETArol™ † (green-lipped mussel)	1000 mg	**
MSM (methyl-sulfonyl-methane)	1000 mg	**
Chondroitin Sulfate	600 mg	**
Glucosamine HCl	600 mg	**
Avocado/Soybean Unsaponifiables (ASU)	100 mg	**
Hyaluronic Acid	30 mg	**

\* Percent Daily Value based on a 2,000 calorie diet.

\*\* Daily value not established.

**Other ingredients:** HPMC (vegetable capsule), silicon dioxide, stearic acid.



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\*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.