

# Ligaplex® I

5200 & 5225

Please Copy for Your Patients

## Ligaplex I Contains Manganese, Pea Vine Juice, Veal Bone, Vitamin Complexes A, C, E, and B<sub>12</sub>, and Phosphorus

Manganese is involved in the health and maintenance of ligaments and tendons and is essential to the synthesis of cartilaginous tissues. For example, manganese is an important cofactor in the enzymes necessary for mucopolysaccharide synthesis. Mucopolysaccharide is an important constituent in both the skeletal and cartilage structural matrix. Impaired enzymatic activity due to manganese deficiencies can result in abnormal cartilage formation.†

Pea vine juice contains the building blocks of hormones and many of the vitamins and minerals required for the manufacture of collagen. These nutrients are required for the proper manufacture of collagen fibers and elastin, which are the foundation of ligaments and tendons.†

### How Ligaplex I Keeps You Healthy

#### Helps maintain proper ligament strength

Ligaments are strong fibrous cords composed mainly of collagen fibers that extend from one bone to another. They reinforce joint capsules and restrict unwanted movement.†

#### Supplies antioxidant protection

Vitamin C, an antioxidant, is very important in the formation of collagen fibers and its replacement when destroyed by wear and tear. Vitamin E is an antioxidant vitamin that inhibits prostaglandin production, protecting tissues from physical damage, injury, inflammation, and pain.†

#### Helps maintain healthy cartilage

Vitamin A is essential for the growth, maturation, and degeneration of epiphyseal cartilage cells. Lack of vitamin A arrests this normal evolution of cartilage.†

#### Supplies complete vitamin and mineral complexes with their naturally-occurring synergistic factors

Vitamin B<sub>12</sub> is involved in numerous enzyme mechanisms. Phosphorus plays an important role in almost all cell metabolic activities. Phosphorus is an essential component of RNA and DNA and is a key component in the structure of cell membranes.†

#### Maintains cellular health

Protomorphogen™ is the brand name of Standard Process' extracts derived from nucleoprotein-mineral molecules. These molecules are the singular units of the cellular blueprint assembly. The primary organizers of protein specificity, these cellular determinants are concentrated components of cell chromosomes. Veal bone Protomorphogen™ extract serves a myriad of functions beyond providing shape and support for the body. The antigenic properties of these nucleoprotein-mineral molecules promote healthy cellular division, growth, repair, and function.†



**Introduced in:**

1959

**Content:**

40 Capsules - 5200

150 Capsules - 5225

#### Supplement Facts:

Serving Size: 2 capsules

Servings per Container: 20 or 75

		%DV
Calories	4	
Cholesterol	5 g	2%
Vitamin A	230 IU	4%
Vitamin C	1.8 mg	4%
Vitamin E	1.7 IU	6%
Vitamin B <sub>12</sub>	5.8 mcg	100%
Phosphorus	18 mg	2%
Manganese	55 mg	2,750%

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

# Ligaplex® I

## What Makes Ligaplex I Unique

### Unique Product Attributes

#### Multiple nutrients from a variety of plant and animal sources

- Supports connective tissue and the natural healing process in joints
- Extracts from bovine and ovine tissues provide nutrients and support to the corresponding tissues in humans
- Vitamins, minerals, and nutrients from plants and animal tissues work synergistically for maximum effect†

### Certified Organic Farming

**A healthy ecosystem is created by using organic farming techniques, such as rotating crops, fertilizing the soil with nutrient-rich cover crops and by-products from our processing, practicing strict weed control standards, and continually monitoring the health of our plants**

- Assures the soil is laden with minerals and nutrients
- Ensures plants are nutritionally complete and free from synthetic pesticides

### Unique Processing

**Upon harvesting, nutrient-rich plants are immediately washed and promptly processed**

- Preserves nutritional integrity

#### Exclusive low-temperature, high-vacuum drying technique

- Preserves the enzymatic vitality and nutritional potential of ingredients

#### Not disassociated into isolated components

- The nutrients in Ligaplex I are processed to remain intact, complete nutritional compounds

**Degreed microbiologists and chemists in our on-site laboratories constantly conduct bacterial and analytical tests on raw materials, product batches, and finished products**

- Ensures consistent quality and safety

#### Vitamin and mineral analyses validate product content and specifications

- Assures high-quality essential nutrients are delivered

### Whole Food Philosophy

*Dr. Lee challenged common scientific beliefs by choosing a holistic approach of providing nutrients through whole foods. His goal was to provide nutrients as they are found in nature—in a whole food state where he believed their natural potency and efficacy would be realized. Dr. Lee believed that when nutrients remain intact and are not split from their natural associated synergists—known and unknown—bioactivity is markedly enhanced over synthetic nutrients. Following this philosophy, even a small amount of a whole food concentrate will offer enhanced nutritional support, compared to a synthetic or fractionated vitamin. Therefore, one should examine the source of nutrients rather than looking at the quantities of individual nutrients on product labels.*

*Two capsules supply 375 mg manganese lactate, 70 mg pea vine juice, and 65 mg veal bone PMG™ extract.*

**Proprietary Blend:** *Bovine bone, dried pea (vine) juice, oat flour, bovine liver, veal bone PMG™ extract, bovine kidney, beet (root), inositol, nutritional yeast, dried beet (leaf) juice, dried buckwheat (leaf) juice, buckwheat (seed), carrot (root), ribonucleic acid, bovine adrenal Cytosol™ extract, dried beet (root) juice, bovine spleen, ovine spleen, mushroom, soybean lecithin, and carrot oil.*

**Other Ingredients:** *Manganese lactate, gelatin, calcium lactate, water, calcium stearate, colors, mixed tocopherols (soy), ascorbic acid, potassium para-aminobenzoate, vitamin A palmitate, cellulose, and cyanocobalamin.*

**Suggested Use:** *Two capsules per meal, or as directed.*

**Sold to health care professionals.**

Studies on nutrients generally use large doses and these studies, some of which are cited below, are the basis for much of the information we provide you in this publication about whole food ingredients. See the supplement facts for Ligaplex® I.

Bertin P, Treves R. 1995. Vitamin B in Rheumatic Diseases: Critical Review. *Therapie* 50(1):53-57.  
Bicknell F, Prescott F. 1953. *The Vitamins in Medicine*. 3rd ed. 44, 405.

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Guyton A.C., Hall J.E. 1996. *Textbook of Medical Physiology*. 9th ed. 439, 610, 886.  
Harrower H.R. 1922. *Organotherapy in General Practice*. 25.