

Pet Vitality™

Not Just a Senior Pet Formula, It's a Tonic for Active Dogs Too!



- ✓ **A tonic to maintain and promote health functions**
- ✓ **Supports the immune, liver and kidney systems**
- ✓ **Contains antioxidants and herbal nutrients**
- ✓ **Aids natural detoxification processes**
- ✓ **Supplies RDA of vitamins and minerals**
- ✓ **May be used for senior dogs and cats**
- ✓ **Supports normal joint functions (mobility/activity issues)**
- ✓ **May improve a senior pet's comfort and quality of life**
- ✓ **May be used for recovering or stressed dogs and cats (calming)**
- ✓ **A tonic that may replenish or revitalize the activate sport dog**
- ✓ **Addresses some common issues associated with aging (energy levels)**

Pet Vitality™ is a combination of some of our best health formulations for recovery, energy levels, minor mobility issues, immune health, and joint health for your cats and dogs. This is not a just a senior's tonic formulation as Omega Alpha® recognized that pets are living longer and have special needs too. This formulation can also be used for the most vulnerable pet rescues and post-surgery situations. It is a complete and gentle formulation that supports many natural healing pathways. For dog sport lovers, mix a teaspoon of Pet Vitality™ into ¼ cup of water to help replenish active dogs.

Omega Alpha® Pet Vitality™ contains (per teaspoon [5 mL]):

<i>Artemisia capillaris</i> (Yin-Chen Wormwood Shoot)	25 mg	<i>Codonopsis pilosule</i> (Bellflower)	3 mg	<i>Lysimachia christinae</i> (Christina Loosestrife Herb).....	25 mg
<i>Withania somnifera</i> (Ashwagandha Root)	10 mg	<i>Curcuma longa</i> (Turmeric Rhizome).....	30 mg	<i>Silybum marianum</i> (Milk Thistle).....	30 mg
<i>Astragalus membranaceus</i> (Astragalus Root) ...	15 mg	<i>Curcuma zedoria</i> (Zedoary)	25 mg	<i>Panax quinquefolium</i> (North American Ginseng).....	4 mg
<i>Boswellia serrata</i> (Frankincense Resin)	15 mg	<i>Harpagophytum procumbens</i> (Devil's Claw).....	20 mg	<i>Ganoderma lucidum</i> (Reishi Mushroom)	5 mg
<i>Bupleurum chinensis</i> (Chinese Thorowax Root) ..	10 mg	<i>Gardenia jasminoidis</i> (Cape Jasmine).....	25 mg	<i>Eleutherococcus senticosus</i> (Eleuthero Root).....	15 mg
<i>Arctium lappa</i> (Burdock Root)	20 mg	<i>Hypericum japonicum</i> (St. John's Wort).....	25 mg		
		<i>Ledebouriella divaricate</i> (Siler Root).....	20 mg		

Vitamins & Minerals:

D-Glucosamine Sulfate.....	100 mg	Chromium (Chromium Polynicotinate).....	10 mcg	Vitamin B2 (Riboflavin).....	3 mg
Methylsulphonylmethane (MSM)	400 mg	Copper (Copper Gluconate)	0.5 mg	Vitamin B3 (Niacinamide)	15 mg
D-Chondroitin Sulfate	25 mg	Folic Acid.....	0.1 mg	Vitamin B5 (Calcium Pantothenate)	15 mg
beta-Carotene	2500 IU	Inositol.....	35 mg	Vitamin B6 (Pyridoxine HCl).....	2 mg
Biotin	25 mcg	Magnesium (Magnesium Chloride).....	10 mg	Vitamin B12	2.5 mcg
Boron (Sodium Borate)	0.5 mg	Manganese (Manganese sulfate)	2 mg	Vitamin C	50 mg
Calcium (Calcium Citrate)	20 mg	Selenium (L-Selenomethionine)	15 mcg	Vitamin D3	200 IU
Choline Bitartrate.....	35 mg	L-Taurine	100 mcg	Vitamin E	10 IU
		Silicon (Sodium Metasilicate).....	5 mg	Zinc (Zinc Citrate)	5 mg
		Vitamin B1 (Thiamin Hydrochloride).....	5 mg		



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US-PET020

Get to know the Pet Vitality™ Formulation

Yin-Chen Wormwood shoot (*Artemisia capillaris*) detoxifies and supports the liver, reduces weight and is a source of antioxidants that helps to maintain health and support the immune system. Yin-chen has hepatic, anti-viral, antibacterial, anti-fungal, anti-inflammatory, and diuretic properties.

Ashwagandha root (*Withania somnifera*) helps relieve general debility, especially during convalescence or old age; helps the body to better cope with both physical and mental stress; and is a rejuvenative tonic that supports healthy sleep. Ashwagandha can help reduce cortisol levels which reduces stress and anxiety; has strong adaptogenic action that works synergistically to enhance the restorative effects of astragalus and eleuthero root; and has adaptogenic, analgesic, antibiotic, antioxidant, cardioprotective, and diuretic properties.

Astragalus root (*Astragalus membranaceus*) exerts beneficial effects on various types of inflammatory conditions, helps maintain a healthy immune system, helps the body to better cope with both physical and mental stress, and boosts energy levels. It also improves cardiovascular functions, promotes recovery from anemia, protects cells against damage caused by free radicals, protects the body from various stressors, and protects the liver. Astragalus has adaptogenic, antioxidant, digestive, diuretic, immuno-stimulant, nervine and tonic properties.

Frankincense resin (*Boswellia serrata*) comes from a tree indigenous to India and the gummy resin is used. Frankincense exerts beneficial effects on allergic respiratory ailments and on various types of inflammatory conditions. It promotes bowel health and has anti-arthritis, anti-microbial and anti-inflammatory properties.

Chinese thorowax (*Bupleurum chinensis*) is a Chinese herb for the liver and circulatory systems. It exerts beneficial effects on various inflammatory conditions, helps the body to better cope with both physical and mental stress, and promotes bile flow and liver health. Chinese thorowax possesses adaptogenic, analgesic, anti-bacterial, anti-inflammatory, diuretic and hepatoprotective properties.

Burdock root (*Arctium lappa*) has been traditionally used in herbalism as a diuretic. It is an alternative to help remove accumulated waste products via the kidneys, skin and mucous membranes. Burdock has vitamin B6, potassium and magnesium, and it helps alleviate the pain associated with rheumatism. Burdock root exhibits anti-bacterial, anti-fungal, carminative, digestive, diuretic actions and detoxifying properties.

Bellflower (*Codonopsis pilosule*) is an adaptogenic herb that helps strengthen and defend against high levels of stress, anxiety, and fatigue. This herb exerts beneficial effects on various inflammatory conditions, helps maintain the immune system, protects cardiovascular health, helps the body to better cope with both physical and mental stress, improves cognitive functions, and supports the liver functions. Bellflower has adaptogenic, anti-inflammatory, digestive, and tonic properties.

Turmeric rhizome (*Curcuma longa*) aids in the digestive process by increasing bile (supporting the natural elimination processes), supports liver functions, helps relieve flatulence, and helps increase bile excretion by the liver and contraction of the gallbladder. Turmeric also provides antioxidants for the maintenance of good health, relieves pain and inflammation, and assists in healing minor wounds, cuts, burns and minor skin irritations. It has anti-inflammatory properties that help to reduce the aggravation that occurs with arthritis as it reduces inflammation. Turmeric also has hepatic properties.

Zedoary (*Curcuma zedoria*) exerts beneficial effects on various inflammatory conditions, protects the liver; improves digestive function, increases appetite, reduces the symptoms of stomach ulcers; has anti-inflammatory, anti-spasmodic, carminative, diuretic, expectorant, stimulant, and stomachic properties.

Devil's claw (*Harpagophytum procumbens*) contains bioflavonoids and phytosterols, which are plant-based antioxidants with anti-spasmodic properties. Because of its anti-inflammatory properties, it helps to alleviate joint pain associated with osteoarthritis. It also helps to stimulate the appetite as the root is used as a bitter tonic to support the digestive system. It has analgesic, anti-inflammatory, anti-rheumatic and sedative properties.

Cape Jasmine (*Gardenia jasminoidis*) balances mood, maintains urinary tract health, promotes sleep and provides a calming effect. Studies have found that gardenia contains at least 20 active compounds, including a number of powerful antioxidants. This herb is used in traditional Chinese herbalism to help stop bleeding, helps alleviate swelling and bruises, as well helps to soothe pain associated with sprains. It has anti-allergic, anti-bacterial, anti-fungal, anti-inflammatory, antioxidant, hemostatic, hepatoprotective and sedative properties.

St. John's Wort (*Hypericum japonicum*) helps relieve restlessness and/or nervousness; prevents the growth of microbes and supports weight management; has analgesic, anti-bacterial, anti-inflammatory, antiseptic, anti-spasmodic, antiviral, digestive, and diuretic properties.



Get to know the Pet Vitality™ Formulation

Siler root (*Ledebouriella divaricate*) exerts beneficial effects on various inflammatory conditions, alleviates headaches, body aches and supports joint health. It is also useful for rheumatic aches, especially when the ache seems to move from place to place. Siler root in traditional Chinese medicine is the herb of choice for body aches and pain. It exhibits anti-proliferative, antioxidant and anti-inflammatory activities. It also has analgesic, anti-rheumatic, anti-microbial, carminative, and anti-spasmodic properties.

Christina Loosestrife herb (*Lysimachia christinae*) exerts beneficial effects on various inflammatory conditions, promotes urine flow, provides antioxidants for the maintenance of health, supports kidney health. The major constituents of Christina loosestrife herb: quercetin, quercetin 3-O-β-D-glucopyranoside, and kaempferol 3-O-β-D-glucopyranoside, have shown free radical scavenging activity. Christina Loosestrife exhibits anti-inflammatory, antioxidant, and diuretic actions.

Milk Thistle seed (*Silybum marianum*) is an herb that has antioxidant and anti-inflammatory properties, and is commonly used to support the detoxification processes in the body, especially the liver. Milk thistle benefits are thought to include being able to promote healthy digestive function by promoting enzyme creation, increasing bile production, decreasing inflammation and soothing the mucous membranes (demulcent) throughout the body and prevents and repairs damage to the liver, protects the liver and supports liver functions; relieves digestive disturbances; and has antioxidant and hepatoprotective properties.

North American ginseng (*Panax quinquefolium*) has been used in traditional cultures to decrease the effects of mental stress while simultaneously invigorating the body. This herb is beneficial during times of mental or emotional fatigue and/or distress. It is known to help digestion in cases of nervousness and/ or stress; helps maintain a healthy immune system; helps the body to cope with both physical/mental stress; is a mild sedative which helps relieve nervousness; used in supportive therapy for the promotion of healthy glucose levels; and has adaptogenic, tonic, immunostimulant, nervine and hepatic properties.

Reishi mushroom (*Ganoderma lucidum*) has traditionally been used to dispel phlegm, stops coughs and arrests wheezing by supporting the immune pathways through its anti-inflammatory actions; is known as a liver tonic and may promote appetite. The nutrients and trace minerals in reishi mushroom provide antioxidants to maintain better health; enhances the T-lymphocyte activity thus boosting the immune system; helps to maintain cardiovascular health through its phytonutrient properties; supports the immune system; and has adaptogenic, anti-allergic, anti-inflammatory, anti-microbial, antioxidant and immunostimulant actions.

Eleuthero root (*Eleutherococcus senticosus*) is a well-known adaptogenic herb that aids in the reduction of stress and the increase of mental alertness. Known to naturally increase athletic stamina and endurance, eleuthero root works synergistically with *codonopsis pilosula* (Bellflower) to increase athletic performance. It is known as a tonic that helps relieve general debility and/or to aid during convalescence; helps to improve mental/or physical performance after periods of mental and/or physical exertion; and has adaptogenic, anti-inflammatory, antioxidant, anti-spasmodic, immunogenic and nervine properties.

NUTRIENTS FOR THE JOINTS

D-Glucosamine sulfate helps to relieve pain associated with osteoarthritis and osteoarthritis of the knee. It helps to protect against the deterioration of cartilage as it promotes cartilage synthesis. It is a factor in maintaining healthy cartilage and/or joint health. Glucosamine stimulates the production of glycosaminoglycans and proteoglycans. These are essential building blocks of cartilage. Under arthritic conditions, the body's need for glucosamine increases. If the body cannot provide enough glucosamine to meet this increased need, then the joint repair process suffers and the result can be joint and tissue damage. D-glucosamine sulfate is the purest form of glucosamine that is recognized by the body and is best manufactured through enzymatic processes. D-glucosamine sulfate provides the D-isomer form of glucosamine which is 100% utilized/integrated into the body's tissues (tendons, ligaments and sinew).

Methylsulfonylmethane (MSM) is an organic sulfur-containing mineral that is used to improve immune function, reduce inflammation and to help restore healthy body tissue. MSM is also used for pain associated with osteoarthritis, degenerative joint problems and helps form connective tissue and repairs joints, tendons and ligaments. MSM has been well researched and shows that it can decrease joint inflammation, improves flexibility and restores collagen production. MSM is a mineral required in the formation of the extra cellular matrix that is an integral part of cartilage formation and restoration.

D-Chondroitin sulfate helps to relieve the pain associated with osteoarthritis of the knee and joints, and also helps to inhibit enzymes that are destructive to the joints. Chondroitin is also a major constituent of cartilage. It draws fluid into the tissue, thus promoting water retention to give the cartilage more elasticity, as well as slowing the break-down by protecting it from destructive enzymes. D-Chondroitin is a more complex molecule than glucosamine, however it is still effective in the repair of cartilaginous tissue.



VITAMINS & MINERALS

beta-Carotene is a source of vitamin A to help maintain eyesight, skin membranes, and immune functions. It also helps in the development and maintenance of bones and teeth.

Biotin supports the manufacture and utilization of fats and amino acids. It is needed for metabolism and body energy systems. It also plays a beneficial role in cell growth and replication. Biotin helps the body to metabolize carbohydrates, fats and proteins.

Boron is one of the micronutrients required for optimal health and is involved in maintaining good bone mineralization. Boron is essential for proper assimilation of calcium into the bone matrix, or in simpler terms, makes sure that calcium stays bound to the structure of the bone.

Calcium is known for its role in building strong bones, and keeping the dog or cat's nails, teeth, and coat healthy. Calcium is required to help maintain healthy calcium metabolism for a number of functions. It is required for digestion, blood clotting, squeezing and relaxing muscles, releasing hormones, and proper nerve function. Calcium helps maintain a regular heartbeat.

Choline helps to support liver functions and is a factor in the maintenance of good health. It is involved in fat metabolism and in the transport of fats from the liver.

Chromium is an essential trace mineral that helps the hormone insulin to function at its full potential. It provides support for healthy glucose metabolism; helps to maintain normal blood glucose level; helps to prevent chromium deficiency; helps to maintain the body's ability to metabolize nutrients; and it may also help to lower cholesterol levels and burns body fat.

Copper is a mineral that the body stores mostly in the bones and muscles. It helps to produce and repair connective tissue and helps to form red blood cells. The liver regulates the amount of copper that is in the blood. Copper is also used for improving wound healing and treating arthritis and brittle bones (osteoporosis).

Folic Acid helps the body to metabolize proteins and form red blood cells. It is also needed for the proper development of the human body. It is involved in producing the genetic material called DNA and is also involved in numerous other bodily functions.

Inositol has lipotropic properties meaning that it promotes the export of fat from the liver. Inositol is a factor in the maintenance of good health and it helps in normal growth and development and supports biological functions.

L-Taurine is an essential amino acid that is critical for normal heart muscle function and vision. It is also needed to form the bile salts that aid in digestion. Unlike other amino acids, taurine is found as a free amino acid in body tissues such as the heart and eyes, and is not incorporated into proteins.

Silicon is a trace mineral that is involved in many enzymatic pathways and metabolic reactions. Silicon works to enhance the re-mineralization of the bone tissue which helps to ensure that calcium and other minerals are deposited onto the bone. It also promotes firmness and strength in the tissues, and helps to maintain healthy hair, nails and/or skin.

Magnesium helps the body to metabolize carbohydrates, proteins and fats. It helps in the development and maintenance of bones and teeth, in tissue formation and it also helps to maintain proper muscle function.

Manganese is an essential trace mineral and is primarily known as an enzyme activator. Manganese is involved in activating the enzymes responsible for the production of mucopolysaccharides and glycoproteins which form the organic matrix of bone and cartilage. It is a nutrient used in metabolic and biological functions, supports the nervous system functions and normal bone development.

Selenium provides the body with antioxidant support and helps protect it against oxidative stress by fighting and protecting the cells against free radicals. Selenium also helps to maintain normal function of the thyroid gland. Selenium also plays a key role in forming the antioxidant enzyme glutathione peroxidase which helps protect the body from free radical damage.

Vitamin B1 enhances energy production, specifically for the brain. Thiamin is intricately involved with other B vitamins in energy metabolism. Magnesium is required in the conversion of thiamin to its active form. Vitamin B1 helps the body to metabolize carbohydrates, proteins and fats and helps normal growth. Vitamin B1 helps boost the immune system and strengthens the body under stressful conditions.

Vitamin B2 is crucial in the production of energy and is involved in regenerating glutathione (potent antioxidant). It helps the body to metabolize carbohydrates, proteins and fats, as well as helps in tissue formation.

Vitamin B5 plays a role in the production of adrenal hormones and red blood cells. Vitamin B5 also helps the body to metabolize carbohydrates, fats and proteins, as well as helps in tissue formation.

Vitamin B6 help the body to metabolize carbohydrates, fats and proteins; helps in tissue formation; and helps the body make certain hormones, as well as chemicals in the brain called neurotransmitters.

Vitamin B3 plays an important role in energy production, in fat, protein and carbohydrate metabolism and in the manufacture of sex and adrenal hormones.

Vitamin B12 helps the body to metabolize carbohydrates, fats and proteins, and helps to form red blood cells.

Vitamin C helps the body to metabolize fats and proteins, helps in the development and maintenance of bones, cartilage, teeth and gums, helps in connective tissue formation, and helps in wound healing. It is an antioxidant for the maintenance of good health.

Vitamin D3 helps in the development and maintenance of bones and teeth, and helps in the absorption and use of calcium and phosphorus.

Vitamin E is a source of antioxidants for the maintenance of good health, protects the fat in body tissues from oxidation, helps to fight against the oxidative effect caused by free radicals, and helps to prevent vitamin E deficiency.

Zinc helps in connective tissue formation, helps the body to metabolize carbohydrates, fats and proteins, helps to maintain immune functions.

