

AlphaVet Science™

CANINE AND FELINE HEALTH PRODUCTS



Just Natural Science™

AVSB001-v06/25

AlphaVet Science™

Just Natural Science™



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• Superior Quality Ingredients • Proven Scientific Research & Testing • Advanced Product Formulations
• Proudly Made In Canada • 100% Satisfaction Guarantee • OASIS Product Training

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NOTE: Ingredient information is referenced from published journal papers.

Manufacturing Practices

We Strive for Scientific Quality

Product Formulation

All AlphaVet Science™ products are created by its parent company, Omega Alpha® Pharmaceuticals Incorporated. Our scientific team, headed by CEO, Dr. Gordon Chang, PhD consists of veterinarians, medical and naturopathic doctors, certified nutritionists, and research scientists. Formulations are created in our 40,000 square foot facility located in Toronto, Ontario, Canada. Our cutting-edge plant houses our testing and QA laboratories, our formulation clean rooms, manufacturing factory, and also our entire sales and administration workforce. Omega Alpha® uses only the highest quality ingredients to manufacture the most efficacious yet price-friendly nutraceuticals.

Per regulations governed by a division of Health Canada, (the VDD or Veterinary Drugs Directorate), we submit all information relating to the manufacture and sale of our veterinary health products (VHPs) to the VDD for their evaluation and review to obtain approval for sale and an NN (Notification Number), similar to the DIN (Drug Identification Number) required by pharmaceutical drugs.

Health Canada continually evaluates all natural products manufactured and sold in Canada and Omega Alpha® has fully complied with requirements to ensure the safety and efficacy of all product formulations.

Best Quality Ingredients

Omega Alpha® uses only ingredients where scientific research has proven the ingredient to be reliable and effective for its stated purpose. Dosages are per available through scientific research and through the Natural and Non-Prescription Health Products Directorate (NNHPD)/Health Canada recommendations for dosage.

We source ingredients worldwide, and whether an herb comes from Asia, Canada or the USA, all our raw herbal ingredients are received in whole (not powdered) dried form so that we can visually verify the herb. We source from a variety of suppliers where we have established long-standing business relationships providing us with raw ingredients that are free of contaminants. As all our products are made from natural ingredients there may be batch differences in colour and taste. Our liquid products contain a proprietary buffered benzoic acid. Benzoic acid is used to inhibit bacterial and fungal growth in food and medical products. Benzoic acid is naturally occurring in fruits (e.g. blueberries), and has been extensively tested for safety and efficacy. Omega Alpha® Pharmaceuticals has designed and patented a new process of buffering the quantity of benzoic acid in its liquid products so that it is always present to protect the product from bacteria and fungus that can lead to product spoilage.

Manufacturing Practices

Product Testing

In our own on-site laboratories, we test all ingredients and formulations before, during and after manufacturing, as well as each batch productions, in order to ensure that there are no heavy metals, contaminants or other toxins. We also utilize third party laboratories to verify the efficacy, safety, consistency and purity of our products.

Product Labeling

Omega Alpha® endeavours to put as much helpful information as possible on our labels and in our marketing materials for the benefit of our consumers, and to comply with current legislation. Due to space limitations on the label, more product information may be available at our web site at www.AlphaVetScience.com on each product.

Packaging Materials

Omega Alpha® sources best quality packaging materials with the environment in mind. Our plastic bottles are 100% recyclable in most communities as we use only PETE #1 and HDPE (high density poly-ethylene) bottles. The durability of our HDPE packaging materials are tested for normal use and storage, as well as microbial permeability. We use glass where feasible and caps/lids are recycled/recyclable materials. We recommend consumers reuse and recycle materials where possible as together, we can all succeed in reducing waste and our “carbon footprint” and preserve our natural resources.

All products are manufactured on-site and our bottles are sealed both inside the cap and with a tamper evident seal for security, and to ensure the freshness of our finished products upon delivery and use.

Product labels and marketing materials are created using vegetable-based inks, recycled or recyclable paper, and other material resources whenever possible.

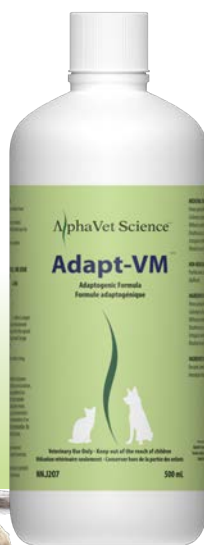


AlphaVet Science™

Adapt-VM™

Adaptogenic Formula

NNJ207 • 500 mL



Recommended Uses: Contains adaptogenic sources for the maintenance of good health. Supports adrenal gland function. Promotes normal hormone production by the adrenal glands. Helps maintain a healthy immune system.

Ingredients per 1 teaspoon (5 mL):

<i>Panax quinquefolius</i> (North American Ginseng Root)	200 mg
<i>Codonopsis pilosula</i> (Bellflower Root)	125 mg
<i>Withania somnifera</i> (Ashwagandha Root)	125 mg
<i>Eleutherococcus senticosus</i> (Eleuthero Root)	100 mg
<i>Astragalus membranaceus</i> (Astragalus Root)	75 mg
<i>Rhodiola rosea</i> (Rose Root)	75 mg

Non-medicinal ingredients: Purified water, Natural apple flavour, Citric acid, Potassium sorbate, Benzoic acid (buffered).

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	2.5	0.5
10.1-20	4.6-9	5	1
20.1-50	9.1-22.6	7.5	1.5
50.1-100	22.7-45.4	10	2
>100	45.4	15	3 (1 tbsp.)

Administer orally once per day. Syringe directly into the mouth for best results. Can be added to animal's food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

North American Ginseng Root (*Panax quinquefolius*): has been traditionally used 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; and is a mild sedative which helps relieve nervousness. North American ginseng root has adaptogenic, tonic, immunostimulant, nervine and hepatic properties.

Ashwagandha Root (*Withania somnifera*): is traditionally used as a rejuvenating tonic to help relieve general weakness, especially during recovery times. It can help reduce cortisol levels which reduces stress and anxiety. Therefore, it can help the cat and dog's body to cope better both physically and mentally with stress. It has a strong adaptogenic action that works synergistically to enhance the restorative effects of astragalus and eleuthero root. It also has adaptogenic, analgesic, antibiotic, cardioprotective, and diuretic properties.

Bellflower Root (*Codonopsis pilosula*): is an adaptogenic herb that helps to strengthen and defend against high levels of stress, anxiety, and fatigue. It exerts beneficial effects on various inflammatory conditions thus supporting the immune system. It is known (TCM) to help the body to better cope with both physical and mental stress, improves cognitive function and helps support the liver functions. It has adaptogenic, antioxidant, digestive, diuretic, immunostimulant, nervine and tonic properties.

Eleuthero Root (*Eleutherococcus senticosus*): is an adaptogenic herb that aids in the reduction of stress and increases the resistance to physical, chemical, and psychological stress, enhances stamina, and accelerates recovery. 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. Eleuthero root possesses adaptogenic, anti-inflammatory, antioxidant, immunogenic, nervine and stimulant properties.

Astragalus Root (*Astragalus membranaceus*): is known to stimulate the immune system through its antioxidant actions. Astragalus root also helps the body to better cope with both physical and mental stress and boosts energy levels, thus supporting the body from various stressors. It has adaptogenic, antioxidant, digestive, diuretic, immunostimulant, nervine and tonic properties.

Rose Root (*Rhodiola rosea*): improves endurance exercise capacity, enhances antioxidant function, and promotes the utilization of fatty acids. This botanical contains adaptogenic and ergogenic properties.

Adapt-VM™

- ✓ A concentrated blend of six botanicals that have adaptogenic properties
- ✓ Contains plant-sourced phytonutrients and trace elements
- ✓ Contains adaptogenic sources for the maintenance of good health
- ✓ Maintains a healthy immune system
- ✓ Supports adrenal gland functions
- ✓ Promotes normal hormone production by the adrenal glands

AlphaVet Science™

Antitis-VM™

Musculoskeletal Function Formula

NN.D7N5 · 120 mL & 500 mL



Recommended Uses: Promotes musculoskeletal health.
Supports and helps maintain healthy joints and flexibility.
Provides antioxidant support to maintain health.

Ingredients per 1 teaspoon (5 mL):

Methylsulfonylmethane (MSM)	250 mg
<i>Notopterygium incisum</i> (Notopterygium Root)	250 mg
<i>Rehmannia glutinosa</i> (Rehmannia Root)	125 mg
<i>Boswellia serrata</i> (Frankincense Resin)	100 mg
<i>Moringa oleifera</i> (Drumstick Tree Seed)	100 mg
<i>Gentiana macrophylla</i> (Largeleaf Gentian Root).....	75 mg
<i>Angelica pubescens</i> (Angelica Root)	50 mg
<i>Curcuma longa</i> (Turmeric Rhizome)	50 mg
<i>Acanthopanax gracilistylus</i> (Acanthopanax Bark).....	50 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Stevia.

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	2.5	0.5
10.1-20	4.6-9	5	1
20.1-50	9.1-22.6	7.5	1.5
50.1-100	22.7-45.4	10	2
>100	45.4	15	3 (1 tbsp.)

Administer orally once per day. Syringe directly into the mouth for best results. Can be added to animal's food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consumer within 6 months after opening.

INGREDIENTS

Methylsulfonylmethane (MSM): has been shown to exert anti-inflammatory and antioxidant effects. MSM helps to relieve joint pain associated with osteoarthritis and osteoarthritis of the knee.

Notopterygium Root (*Notopterygium incisum*): helps to maintain joint health, supports the immune system and provides antioxidants. It also aids in relieving aches in rheumatic conditions and is used for the relief of hip, elbow and shoulder pain. It also has analgesic, anti-fungal, anti-microbial, antioxidant, and anti-spasmodic properties.

Rehmannia Root (*Rehmannia glutinosa*): is an adaptogen which can increase the resistance to physical, environmental, emotional or biological stressors at the same time to restore normal physiological function to the body. It is also an adrenal restorative, thus assisting in improving the health of the adrenal glands. Rehmannia root contains adaptogenic, anti-septic, anti-bacterial, anti-fungal, anti-inflammatory, and tonic properties.

Drumstick Tree Seed (*Moringa oleifera*): has demonstrated anti-inflammatory properties by altering oxidative stress and inhibiting production of inflammatory mediators in arthritic animals. This herb possesses anti-inflammatory, antispasmodic, diuretic, anti-hypertensive, antioxidant, hepatoprotective, anti-bacterial and anti-fungal activities.

Frankincense Resin (*Boswellia serrata*): comes from a tree indigenous to India and the gummy resin is used. Animal studies and clinical trials support its use in the management of joint issues such as rheumatoid arthritis and osteoarthritis. Frankincense also promotes bowel health and contains anti-arthritic, anti-microbial and anti-inflammatory properties.

Gentian Root (*Gentiana macrophylla*): exhibits potent anti-inflammatory action by suppressing the production of pro-inflammatory cytokines. It has analgesic, digestive, stimulant and carminative properties.

Pubescent Angelica Root (*Angelica pubescens*): is a traditional Chinese herb used to manage arthritis and is beneficial for joint discomfort and helps strengthen tendons. This botanical provides antioxidant support and has analgesic, anti-inflammatory, anti-spasmodic, hepatic, laxative and sedative properties.

Turmeric Rhizome (*Curcuma longa*): has been described in pharmacopoeias and in traditional systems of herbalism to help in the management of issues like osteoarthritis and rheumatoid arthritis. It has antioxidant, anti-inflammatory and hepatic properties.

Kadzura Pepper Stem (*Piper futokadsura*): is widely used in Chinese herbal prescriptions for the management of arthritic conditions, and contains analgesic and anti-inflammatory properties.

- ✓ A synergistic blend of MSM and eight botanicals with antioxidant properties
- ✓ Promotes musculoskeletal health
- ✓ Supports and maintains healthy joints and flexibility
- ✓ Provides antioxidant support for the maintenance of good health

AlphaVet Science™

Anzio-VM™

Calming Formula
NN.Y8W8
120 mL & 500 mL



Recommended Uses: Supports balanced behaviour, promotes relaxation and maintains calmness.

Ingredients per 1 teaspoon (5 mL):

<i>Biota orientalis</i> (Arborvitae Seed)	350 mg
<i>Albizia julibrissin</i> (Silktree Flower)	50 mg
<i>Passiflora incarnata</i> (Passionflower Herb Top)	50 mg
<i>Valeriana officinalis</i> (Valerian Root)	50 mg
<i>Ziziphus jujuba</i> (Jujube Fruit)	50 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered).

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	2.5	½
11-20	5-9.1	5	1
21-50	9.5-22.7	7.5	1.5
51-100	23.1-45.4	10	2
>100	45.4	15	3

Administer orally once per day. Syringe directly into the mouth for best results. Can be added to animal's food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

Chinese Arborvitae Seed (*Platycladus orientalis*): is a traditional Chinese herb based on the theory of traditional Chinese medicine (TCM) and is said to nourish the heart (trace mineral sources) and has a calming effect over conditions like irritability. In TCM, this herb is used for insomnia, poor memory, and palpitations with anxiety due to heart blood deficiency, and has allergenic, calmative, diuretic, nervine, stomachic, sedative and tonic properties.

Chinese Jujube Seed (*Ziziphus jujuba*): the fruit and seeds have a sedative effect which helps to stabilize mood, relieve nervousness and promote sleep. It is a source of antioxidants for oxidative stress and supports the immune system. In TCM, it is used to promote healthy bowel movements and helps support liver functions, and reduces listlessness as it has a calming effect. Chinese jujube has analgesic, diuretic, expectorant, laxative, nervine, relaxant and sedative properties.

Valerian Root (*Valeriana officinalis*): helps with nervousness (relaxing muscles) and promotes natural sleep habits. It acts like a mild sedative helping to stabilize mood and promote healthy sleep. Traditionally, valerian has been used as a sedative and is good for anxiety, fatigue, nervousness and stress. Valerian has analgesic, anti-spasmodic, calmative, carminative, digestive, diuretic, nervine, sedative and stimulant actions.

Passionflower Herb (*Passiflora incarnata*): has traditionally been used to help with tenseness, restlessness and irritability with difficulty in falling asleep. The plant has been used in herbal medicine for nervousness, anxiety and insomnia. It helps with relaxation during periods of anxiety, and supports and calms the nervous system. This herb is also used to help calm a nervous gastrointestinal tract. It has these actions; analgesic, anti-bacterial, anti-spasmodic, anti-inflammatory, cardiogenic, digestive and sedative actions.

Silk Tree Bark (*Albizia julibrissin*): balances mood, reduces worry, and has a calming effect and promotes sleep. It exerts beneficial effects on various types of inflammatory conditions and contains sources of antioxidants to maintain health and to reduce oxidative stress. This herb has anxiolytic properties (inhibits anxiety), which is helpful with anxiety disorders by supporting the serotonin pathways and is used traditionally as a tonic to replenish the liver, quiet the mind, and strengthen tissues. In traditional Chinese medicine (TCM), it is used to nourish the heart and calm the spirit; has analgesic, carminative, digestive, diuretic, nervine, sedative, stimulant and tonic properties.

- ✓ A concentrated extract blend of five botanicals
- ✓ Acts as a mild sedative
- ✓ Has a calming effect in stressful situations
- ✓ Can reduce tension and improve mood
- ✓ Reduces anxiety associated with noise phobias, storm phobias, fear of separation from owner, fear of unfamiliar people and unfamiliar places, fear of other animals, veterinary clinic visits, boarding kennels, and car rides

AlphaVet Science™

Articulaire-VM™

Articulation Formula

NN.06S1 • 120 mL & 500 mL



Recommended Uses: Promotes articulation health. Helps maintain joint health. Helps maintain structural integrity of joints and connective tissue.

Ingredients per 1 teaspoon (5 mL):

Methylsulfonylmethane (MSM)	500 mg
D-Glucosamine sulphate (Shellfish Exoskeletons)	300 mg
Glucosamine hydrochloride (Shellfish Exoskeletons)	175 mg
Chondroitin sulphate (Bovine Cartilage)	150 mg
N-Acetylglucosamine (NAG)	25 mg
<i>Boswellia serrata</i> (Frankincense Resin)	20 mg
<i>Curcuma longa</i> (Turmeric Rhizome)	20 mg
<i>Harpagophytum procumbens</i> (Devil's Claw Root)	20 mg
<i>Moringa oleifera</i> (Drumstick Tree Seed)	20 mg
<i>Ledebouriella divaricata</i> (Siler Root)	10 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Stevia.

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	2.5	0.5
10.1-20	4.6-9	5	1
20.1-50	9.1-22.6	7.5	1.5
50.1-100	22.7-45.4	10	2
>100	45.4	15	3 (1 tbsp.)

Administer orally once per day. Syringe directly into the mouth for best results. Can be added to animal's food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

Methylsulfonylmethane (MSM): has been shown to exert anti-inflammatory and antioxidant effects. MSM helps to relieve joint pain associated with osteoarthritis and osteoarthritis of the knee.

D-Glucosamine Sulphate: 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 Hydrochloride: helps to maintain healthy cartilage/joint health.

Chondroitin Sulphate: 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.

N-Acetylglucosamine (NAG): is a derivative form of glucosamine. Glucosamine is a natural compound found in cartilage and helps with discomfort associated with osteoarthritis.

Frankincense Resin (*Boswellia serrata*): has anti-arthritis, anti-microbial and anti-inflammatory properties. **For more information on this herb, see page 9.**

Tumeric Rhizome (*Curcuma longa*): has been described in pharmacopoeias and in traditional systems of herbalism to help in the management of issues like osteoarthritis and rheumatoid arthritis. It has antioxidant, anti-inflammatory and hepatic properties.

Devil's Claw Root (*Harpagophytum procumbens*): contains bioflavonoids and phytosterols, which are plant-based antioxidants with anti-spasmodic properties. Because of its anti-inflammatory properties, it helps to relieve joint pain associated with osteoarthritis. This herb also has analgesic, anti-arthritis, anti-rheumatic, diuretic and sedative actions.

Drumstick Tree Seed (*Moringa oleifera*): has demonstrated anti-inflammatory properties by altering oxidative stress and inhibiting production of inflammatory mediators in arthritic animals. This herb also has antispasmodic, diuretic, anti-hypertensive, antioxidant, hepatoprotective, anti-bacterial and anti-fungal activities.

Siler Root (*Ledebouriella divaricata*): is a traditional Chinese herb for body aches and discomfort. It exhibits anti-proliferative, antioxidant and anti-inflammatory activities, as well as analgesic, anti-rheumatic, anti-microbial, carminative, and anti-spasmodic properties.

- ✓ Contains MSM, D-Glucosamine sulphate and Chondroitin sulphate for joint health
- ✓ Has 5 herbs with antioxidant properties
- ✓ Helps to maintain joint health
- ✓ Promotes articulation health
- ✓ Maintains structural integrity of joints and connective tissue
- ✓ Contains a synergistic blend of herbs for muscles, joints, and ligaments

AlphaVet Science™

Hepato-VM™

Hepatic Formula

120 mL & 500 mL



Hepato-VM™ supports normal function and health of the liver. Medicinal herbs used in Hepato-VM™ provide a rich source of antioxidants that are important for normal liver function.

Ingredients per 1 teaspoon (5 mL):

<i>Silybum marianum</i> (Milk Thistle Fruit)	150 mg
<i>Taraxacum officinale</i> (Dandelion Root)	120 mg
<i>Artemisia capillaris</i> (Capillary Artemisia Herb)	100 mg
<i>Phyllanthus niruri</i> (Chanca Piedra Herb)	75 mg
<i>Bupleurum chinense</i> (Chinese Thoroughwax Root)	75 mg
<i>Picrorhiza kurroa</i> (Picrorhiza Rhizome)	75 mg
<i>Schisandra chinensis</i> (Chinese Magnoliavine Fruit)	50 mg
<i>Arctium lappa</i> (Greater Burdock Root)	50 mg
<i>Ocimum sanctum</i> (Holy Basil Leaf)	50 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

INGREDIENTS

Milk Thistle Fruit (*Silybum marianum*): used as a supportive treatment of acute or chronic hepatitis and cirrhosis induced by drugs or toxins. It has antioxidant and hepatoprotective properties.

Dandelion Root (*Taraxacum officinale*): The European Scientific Cooperative on Phytotherapy (ESCOP) recommends it for restoration of hepatic and biliary function. This herb exhibits anti-inflammatory, antioxidant, diuretic, hepatic and tonic properties.

Capillary Artemisia Herb (*Artemisia capillaries*): in obese animals it was found to strengthen the antioxidant defense system, reduce the generation free radicals and damaging oxidative substances in the liver. It contains anti-bacterial, anti-fungal, anti-inflammatory, diuretic and hepatic properties.

Chanca Piedra Herb (*Phyllanthus niruri*): exhibits antioxidant and anti-inflammatory effects and has been used extensively in the treatment of liver ailments in traditional medicine. This herb possesses hepatoprotective, antioxidant and anti-inflammatory actions.

Chinese Thoroughwax Root (*Bupleurum chinense*): demonstrates hepatoprotective effects by attenuating hepatic lipids and lipid peroxidation and enhancing antioxidant defense. This herb possesses adaptogenic, analgesic, anti-bacterial, anti-inflammatory, diuretic and hepatoprotective properties.

Picrorhiza Rhizome (*Picrorhiza kurroa*): is a distinguished medicinal herb of the Ayurvedic medicinal system, used mainly for the treatment of a variety of liver ailments. This herb has hepatoprotective, anti-viral, antioxidant, anti-inflammatory, and immune stimulant properties.

Chinese Magnolia Vine Fruit (*Schisandra chinensis*): protects the liver from toxic damage, improve liver function, and stimulate liver cell regrowth. It contains adaptogenic, anti-rheumatic, anti-diarrheal, cardiogenic, and expectorant properties.

Greater Burdock Root (*Arctium lappa*): exerts an antioxidant effect on liver cells and is the foremost detoxifying herb in both Chinese and Western herbal medicine. This herb exhibits anti-bacterial, anti-fungal, carminative, and diuretic actions.

Holy Basil Leaf (*Ocimum sanctum*): maintains a healthy liver by reducing cholesterol and triglyceride accumulation in the liver and by increasing fecal bile acid excretion. Holy basil has hepatoprotective, immunomodulatory, adaptogenic, analgesic, and antioxidant properties.

Hepato-VM™

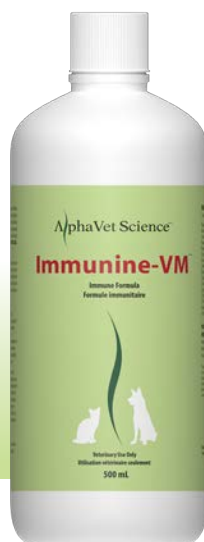
- ✓ Helps to remove waste metabolites and cleanses the liver
- ✓ Maintains healthy liver functions
- ✓ Bitter herbs increase bile excretion
- ✓ Helps with fatty liver (weight loss)
- ✓ Provides antioxidants to liver tissue while removing toxins

AlphaVet Science™

Immunine-VM™

Immune Formula

500 mL



Immunine-VM™ is specifically formulated with biological response modifying herbs containing antioxidant properties which help to maintain normal immune system function and reduce the negative effects associated with stress.

Ingredients per 1 teaspoon (5 mL):

<i>Ganoderma lucidum</i> (Reishi Mushroom)	250 mg
<i>Astragalus membranaceus</i> (Astragalus Root)	200 mg
<i>Echinacea angustifolia</i> (Narrow-Leaf Echinacea Root)	200 mg
<i>Uncaria tomentosa</i> (Uña de gato)	150 mg
<i>Withania somnifera</i> (Ashwagandha Root)	100 mg
<i>Eleutherococcus senticosus</i> (Eleuthero Root)	100 mg
<i>Ligustrum lucidum</i> (Chinese Privet Fruit)	75 mg
<i>Tinospora sinensis</i> (Chinese Tinospora Stem)	75 mg
<i>Ocimum sanctum</i> (Holy Basil Leaf)	75 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

INGREDIENTS

Reishi Mushroom (*Ganoderma lucidum*): a number of studies have demonstrated that it modulates immune function. It has adaptogenic, anti-allergic, anti-inflammatory, anti-microbial, antioxidant and immune stimulant actions.

Astragalus Root (*Astragalus membranaceus*): studies have confirmed that it enhances the immune system through immunomodulatory and immunorestorative effects. It has adaptogenic, antioxidant, digestive, diuretic, immunostimulant, nervine and tonic properties.

Narrow-Leaf Echinacea Root (*Echinacea angustifolia*): has been shown to mobilize white blood cells and to engulf and destroy pathogens. This herb has anti-inflammatory, anti-microbial, antiseptic, immunomodulatory, stimulant, and tonic properties.

Ashwagandha Root (*Withania somnifera*): known for a spectrum of health-promoting effects including activation of immune, muscle, and neuronal systems. It also has adaptogenic, analgesic, antibiotic, cardioprotective, and diuretic properties.

Eleuthero Root (*Eleutherococcus senticosus*): stimulates the immune system and promotes an overall improvement in physical and mental performance. It possesses adaptogenic, anti-inflammatory, antioxidant, immunogenic, nervine and stimulant properties.

Chinese Privet Fruit (*Ligustrum lucidum*): used in herbalism for the treatment of a variety of pathologies due to its immune modifying properties. This herb contains immune-stimulant, antitumour, antioxidant and hepatoprotective actions.

Chinese Tinospora Stem (*Tinospora sinensis*): used in traditional Chinese herbs for the treatment of diverse diseases due to its ability to improve the immune system. This herb has immunomodulatory and hypoglycemic properties.

Holy Basil Leaf (*Ocimum sanctum*): maintains a healthy liver by reducing cholesterol and triglyceride accumulation in the liver and by increasing fecal bile acid excretion. Holy basil has hepatoprotective, immunomodulatory, adaptogenic, analgesic, and antioxidant properties.

Immune-VM™

- ✓ Helps to modulate the immune system and maintain health
- ✓ Promotes the body's natural resistance to pathogens
- ✓ Herbs provide antioxidants for the maintenance of good health
- ✓ Boosts the immune system for the proper working of biochemical interactions

AlphaVet Science™

Nephro-VM™

Renal Formula

120 mL & 500 mL



Nephro-VM™ reduces oxidative stress and supports optimal bladder function and health of the kidneys.

Ingredients per 1 teaspoon (5 mL):

<i>Phyllanthus niruri</i> (Chanca Piedra Herb)	100 mg
<i>Schisandra chinensis</i> (Chinese Magnoliavine Fruit)	100 mg
<i>Lysimachia christinae</i> (Christina Loosestrife Herb).....	100 mg
<i>Crataeva nurvala</i> (Three-Leaved Caper Bark).....	100 mg
<i>Arctostaphylos uva-ursi</i> (Bearberry Leaf).....	75 mg
<i>Tribulus terrestris</i> (Puncture Vine Fruit).....	75 mg
<i>Urtica dioica</i> (Stinging Nettle Root).....	75 mg
<i>Zea mays</i> (Corn Silk)	50 mg
<i>Equisetum arvense</i> (Field Horsetail Herb)	50 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg.....	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

INGREDIENTS

Chanca Piedra Herb (*Phyllanthus niruri*): is a traditional Ayurvedic herb that is used in the treatment of urolithiasis and cholelithiasis. It exhibits antioxidant and anti-inflammatory actions.

Chinese Magnolia Vine Fruit (*Schisandra chinensis*): has been described in pharmacopoeias and well established studies as a general tonic for treating fatigue associated with illness and in treating urinary tract disorders. It contains adaptogenic, anti-rheumatic, anti-diarrheal, cardiotonic, and expectorant properties.

Christina Loosestrife Herb (*Lysimachia christinae*): in animal studies it has rendered the urine acidic, promoting the dissolution of stones formed under alkaline conditions. This herb exhibits anti-inflammatory, antioxidant, and diuretic actions.

Three-Leaved Caper Bark (*Crataeva nurvala*): has been shown to minimize the deposition of stone-forming components in kidneys such as calcium, oxalate, urate, cystine, xanthine, and phosphate. It has anti-inflammatory, bladder tonic, carminative, and diuretic properties.

Bearberry Leaf (*Arctostaphylos uva-ursi*): The German Pharmacopoeia lists it as a urinary disinfectant for the treatment of bladder and kidney catarrh and inflammation. It contains diuretic, genitourinary antiseptic, nephroprotective, and tonic properties.

Puncture Vine Fruit (*Tribulus terrestris*): WHO documents it as a treatment for urolithiasis and has been shown to inhibit the growth of calcium oxalate crystals. This herb contains analgesic, anti-fungal, anti-inflammatory, antiseptic, diuretic, nervine, and tonic properties.

Stinging Nettle Root (*Urtica dioica*): clinical data supports the use of Radix Urticae Dioicae in the symptomatic treatment of lower urinary tract disorders. It has diuretic, alterative, hemostatic, and nutritive properties.

Corn Silk (*Zea mays*): it is an effective diuretic and it has been used to treat acute and chronic bladder infection, cystitis, urethritis, and urolithiasis. It has diuretic, hypoglycemic, hypotensive, and stimulant properties.

Field Horsetail Herb (*Equisetum arvense*): has mild diuretic action. It also has anti-inflammatory, diuretic, and hemostatic actions.

- ✓ Maintains and promotes healthy kidney function
- ✓ Increases excretion of metabolites/toxins from the body
- ✓ Helps the body to excrete more urine and this gets rid of excess fluids and salts
- ✓ May improve the symptoms of urinary tract problems such as blood in the urine, frequent passing of small amounts of urine, straining to produce urine, painful urination, cloudy and foul-smelling urine, tenderness in the bladder area, pain in the lower back, fever, and lethargy

AlphaVet Science™

Omega 3/6/9-VM™

Essential Fatty Acids Formula

NN.Z8C6 • 250 mL & 500 mL



Recommended Uses: Source of essential fatty acids (omega 3-6-9) to support a healthy pelage.

Ingredients per 1 teaspoon (5 mL):

Proprietary blend of omega 3-6-9 essential fatty acids

<i>Linus usitatissimum</i> (Flax Seed Oil).....	2.4 ml
<i>Helianthus annuus</i> (Sunflower Oil).....	1.5 ml
Fish Oil (Anchovy, Mackerel, Sardine).....	0.8 ml
<i>Borago officinalis</i> (Borage Oil)	0.003 ml
Omega 3.....	1500 mg
ALA (alpha-Linolenic acid)	1000 mg
EPA (Eicosapentaenoic acid)	300 mg
DHA (Docosahexaenoic acid)	200 mg
Omega 6.....	1250 mg
Omega 9.....	850 mg

Non-medicinal ingredient: Vitamin E (mixed tocopherols).

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	1.25	¼
11-20	5-9.1	2.5	½
21-50	9.5-22.7	5	1
51-75	23.1-34	7.5	1½
76-100	34.5-45.4	10	2
>100	45.4	15	3 (1 tablespoon)

Give 1-2 times per day. Mix recommended dose with food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

Why use Omega 3/6/9-VM™ from AlphaVet Science™?

Omega 3/6/9-VM™ is a blend of anchovy, mackerel, sardine, borage seed oil, sunflower oil and flax seed oil with vitamin E (mixed tocopherols). Deep-sea fish oils are high in EPA and DHA and further contribute to the benefits of the oil blend. Omega 3/6/9-VM™ uses oil from small fish and the oil is purified by molecular distillation and this high-tech process removes most of the harmful toxins.

Large species of fish may contain significant levels of mercury, polychlorinated biphenyls (PCBs), arsenic or other environmental contaminants as they accumulate over a fish's life span. However, small fishes such as sardine, mackerel and anchovy do not live for very long so they do not get a chance to accumulate these toxins.

Borage seed oil is rich in gamma linolenic acid (GLA), an Omega-6 fatty acid, generally converted to 1 series prostaglandins. Borage seed oil also contains oleic acid, an Omega-9 fatty acid that promotes the anti-inflammatory pathways for GLA. Sunflower oil is linoleic acid produced by expressing the oils from sunflower seeds. It is low in saturated fat, which makes it a better choice than oils and fats that are high in saturated fat. Flax seed oil provides Omega-3 oils and is an excellent and primary source of alpha-linolenic acid (ALA).

Omega 3/6/9-VM™ is also formulated with mixed tocopherols (vitamin E) containing both d-alpha tocopherol and gamma tocopherol. It is important to have both forms of vitamin E as d-alpha-tocopherol scavenges reactive oxygen species and gamma tocopherol provides protection against reactive nitrogen species which d-alpha tocopherol cannot do.

Prolonged use of omega fatty acid supplements can cause vitamin E deficiency. More importantly these omega fatty acids are extremely perishable and without adequate levels antioxidants such as vitamin E, omega fatty acids oxidize, become non-functional, and even generate excess free-radical activity which can be harmful to the body.

Omega 3/6/9-VM™

- ✓ Synergistic blend of essential fatty acids derived from Atlantic mackerel, European pilchard, Peruvian anchovy, flax seed, borage seed, sunflower oil and vitamin E
- ✓ Supports the skin, fur and joints
- ✓ Supports cognitive health
- ✓ Enhances immune system functions
- ✓ Contains sources of EFAs for the maintenance of good health
- ✓ Omega Alpha's oils are molecularly distilled ensuring purity
- ✓ Omega Alpha's oils are NON-GMO, GMP and human-grade
- ✓ No toxins, pesticides or heavy metals

AlphaVet Science™

Pelcid-VM™

Intestinal Clearance Formula

120 mL & 500 mL



Pelcid-VM™ is a medicinal herbal blend to exert anti-propagative and anti-parasitic actions in the colonization and proliferation of intestinal parasites in dogs and cats.

Ingredients per 1 teaspoon (5 mL):

<i>Quisqualis indica</i> (Rangoon-Creeper Fruit).....	125 mg
<i>Torreya grandis</i> (Grand Torreya Seed).....	100 mg
<i>Allium sativum</i> (Garlic Bulb)	80 mg
<i>Dyopteris crassirhizoma</i> (Wood Fern Rhizome)	80 mg
<i>Areca catechu</i> (Areca Seed).....	60 mg
<i>Punica granatum</i> (Pomegranate Pericarp)	60 mg
<i>Cucurbita moschata</i> (Pumpkin Seed)	60 mg
<i>Omphalia lapidescens</i> (Thunderball Sclerotia)	30 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

INGREDIENTS

Rangoon-Creeper Fruit (*Quisqualis indica*): in traditional herbalism it is used as an anthelmintic to expel parasitic worms. It is effective against intestinal roundworms and trichomonas, and has antihelmintic and antiseptic actions.

Grand Torreya Seed (*Torreya grandis*): used in traditional Chinese herbs against a broad spectrum of parasites including roundworms, tapeworms, hookworms, and pinworms. It possesses anthelmintic, carminative and laxative actions.

Garlic Bulb (*Allium sativum*): garlic has been used against wide range of intestinal parasites. The historical safe intake for dogs is 22 mg/kg of body weight per day (20 kg dog – 440 mg; 5 kg cat – 110 mg) as recommended by National Research Council and National Academy of Sciences. Pelcid-VM™ contains 80 mg of garlic per dose. Garlic bulb contains anthelmintic, anti-inflammatory, antiseptic, bacteriostatic, diuretic, and anti-viral properties.

Wood Fern Rhizome (*Dryopteris crassirhizoma*): in traditional veterinary herbalism, it is used to destroy or expel intestinal worms. This herb contains analgesic, anthelmintic, anti-inflammatory, hemostatic, and detoxicant properties.

Areca Seed (*Areca catechu*): used in traditional veterinary herbalism and has been found effective against tapeworms, pinworms, hookworms, intestinal flukes, blood flukes and acts as a mild laxative to expel parasites from the gut. Areca seed has anthelmintic, anti-microbial, antioxidant, diuretic, and digestive actions.

Pumpkin Seed (*Cucurbita moschata*): The United States Pharmacopoeia listed it as an official medicine for eliminating parasites from 1863 until 1936, and this use was practiced by eclectic physicians. Pumpkin seed has anti-inflammatory, diuretic, prostatic, and anthelmintic properties.

Pomegranate Peel (*Punica granatum*): documented in pharmacopoeias and well established scientific documents for its use in the treatment of intestinal parasites. It has anti-diarrheal, anti-microbial, anti-parasitic, anti-viral, antioxidant, and immune properties.

Thunderball Fungus (*Omphalia lapidescens*): is a traditional Chinese herbal fungus used in anthelmintic therapy in the treatment of taeniasis, ancylostomiasis, ascariasis and intestinal parasitosis with abdominal pain. It has anti-parasitic actions.

Pelcid-VM™

- ✓ Helps to destroy and flush out intestinal worms and parasites
- ✓ Helps to maintain healthy bowels
- ✓ Enhances nutrient absorption by destroying intestinal parasites

AlphaVet Science™

Probenz-VM™

Probiotics, Prebiotic, Enzymes & Fibre Formula

NN.Q2R7 • 150 g & 310 g



Recommended Uses: Supports normal function and health of the gastrointestinal system.

Ingredients per 1 scoop (5 g):

<i>Lactobacillus acidophilus</i>	625 Million CFU*
<i>Lactobacillus delbreuckii</i> subsp. <i>lactis</i>	625 Million CFU
<i>Lactobacillus casei</i>	625 Million CFU
<i>Lactobacillus plantarum</i>	625 Million CFU
<i>Lactobacillus rhamnosus</i>	625 Million CFU
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i>	625 Million CFU
<i>Bifidobacterium bifidum</i>	625 Million CFU
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	625 Million CFU
<i>Saccharomyces boulardii</i>	1 Billion CFU
Inulin [Fructooligosaccharides (FOS)]	500 mg
<i>Linus usitatissimum</i> (Flax Seed)	1000 mg
<i>Laminaria digitata</i> (Kelp Whole Plant)	775 mg
<i>Althaea officinalis</i> (Marshmallow Root)	350 mg
L-Glutamine.....	300 mg
<i>Spirulina platenis</i> (Spirulina Whole).....	300 mg
Citrus bioflavonoids.....	200 mg
<i>Ulmus rubra</i> (Slippery Elm Bark)	100 mg
Cellulase (4-(1,3;1,4)-beta-D-Glucan 4-glucanohydrolase)	4 mg
alpha-Amylase (4-alpha-D-Glucan glucanohydrolase)	2 mg
Invertase (beta-Fructofuranosidase).....	2 mg
Lactase (beta-D-galactoside galactohydrolase).....	2 mg
Lipase (Triacylglycerol lipase)	2 mg
Protease.....	2 mg

*CFU = Colony forming units

Non-medicinal ingredient: Guar gum.

Directions:

Lbs	Kg	Dosage	
		g	Scoop(s)
1-9	0.45-4.1	1.25-2.5	¼-½
10-25	4.5-11.3	2.5-5	½-1
26-50	11.8-22.7	7.5-10	1½-2
51-100	23.1-45.4	10-20	2-4
>100	45.4	25	5

Administer orally per day. Mix recommended dose with food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy or wheat.

Storage: Do not refrigerate. Store protected from light and moisture. Consume within 3 months after opening.

Probiotics: provides beneficial bacteria including *Lactobacillus acidophilus*, *Lactobacillus plantarum*, *Lactobacillus casei*, *Lactobacillus delbrueckii* subsp. *Lactis*, *Lactobacillus rhamnosus*, *Bifidobacterium animalis* subsp. *Lactis*, *Bifidobacterium bifidum*, *Saccharomyces boulardii* and *Bifidobacterium longum* subsp. *longum* for the maintenance of good health.

Digestive Enzymes: includes **protease** that helps digest proteins; **amylase** which catalyzes the hydrolysis of carbohydrates into simpler compounds; **invertase** for hydrolyzing sucrose to the simple sugars, glucose and fructose; **lactase** for hydrolyzing lactose into galactose and glucose; **cellulase** that helps breaks down cellulose; and **lipase** for the breakdown of fats into fatty acids and glycerol.

Inulin: is a prebiotic (fructooligosaccharides) that is a source of fibre for the maintenance of good health that helps support and maintain a healthy digestive system. It helps stimulate the growth of healthy bacteria in the intestine/gut, and helps provide gentle relief of constipation and/or irregularity.

Flax Seed (*Linum usitatissimum*): supports cardiovascular function, bone health, normal cell proliferation, hormone balance and a potent antioxidant. It is a source of soluble fibre and contains analgesic, anti-inflammatory, antiseptic, and antitussive properties.

Kelp Thallus (*Laminaria digitata*): reduces harmful bacterial population and increase total volatile fatty acid concentrations in the gut. Kelp contains alterative, diuretic, anti-obesity, and hypotensive actions.

Marshmallow Root (*Althaea officinalis*): has been traditionally used for gastritis, peptic ulcers, enteritis, and colitis. It has alterative, anti-inflammatory, antitussive, diuretic, and nutritive properties.

L-Glutamine: helps restore plasma glutamine levels depleted after periods of physical stress; helps support immune system health and digestive system health after periods of physical stress; helps to assist in muscle cell repair after exercise. Glutamine is an essential dietary component, especially for the support of intestinal mucosal growth and function.

Spirulina (*Spirulina platensis*): supports the gut immune system and has anti-allergic, antioxidant, anti-viral, hepatoprotective and immune-modulation properties.

Slippery Elm Bark (*Ulmus rubra*): soothes and protects the mucous membranes of the stomach. It has anti-inflammatory, antiseptic, antitussive, diuretic, laxative, and nutritive actions.

Citrus Bioflavonoids: exhibits antioxidant and anti-inflammatory properties.

Probenz-VM™

- ✓ Has 9 strains of probiotic and the prebiotic inulin
- ✓ Promotes a healthy gastrointestinal tract
- ✓ Unique probiotic delivery system
- ✓ Enhances absorption of nutrients
- ✓ Contains enzymes which aid digestion

AlphaVet Science™

ProTunica-VM™

Coat Conditioner for Dogs

120 mL Topical Spray



ProTunica-VM™ is a dog coat conditioner and used as a spray for dogs who may suffer from allergies and other symptoms that can manifest as dermatitis or mild skin issues.

A Proprietary Blend of Ingredients:

Aloe Vera, Cedarwood oil, Citronella oil, Geranium oil, Glycerin, Lavender oil, Lemongrass oil, Neem oil, Surfactant, Sunflower oil, Purified water and Vitamin E.

Directions: Apply liberally to body; avoid the mouth and eyes. Shake well before use. Recommended for dogs only.

Cautions: ProTunica™ is for external use only. Recommended for dogs only and is not suitable for cats due to their self-grooming behaviour. This product is made from all-natural ingredients so there may be batch differences in colour and odour.

ProTunica-VM™

- ✓ A proprietary blend of 7 herbal oils for topical use
- ✓ Relief from minor skin irritations
- ✓ Helps to soothe itching skin
- ✓ Has a unique and robust scent
- ✓ Water-based formula
- ✓ Leaves no oily residue
- ✓ Comes in an easy to hold 120 mL spray bottle

INGREDIENTS

Aloe vera is used to help relieve skin irritation and contains enzymes that help heal itchy skin and reduce inflammation. When used topically, aloe vera stimulates circulation to create a cooling effect that relieves swelling and speeds the healing of skin issues. Its antimicrobial properties prevent infection of irritated or inflamed skin by killing harmful bacteria.

Cedarwood oil is steam-distilled from the wood of the Cedar tree. Used topically on the skin, the oil can help maintain skin health by addressing irritation and dryness. It also supports clean and clear skin by promoting balanced sebum production and protecting against environmental elements. It supports the hair/fur follicles, which may contribute to the overall look and feel of a dog's coat. The oil is utilized for its soothing properties and to help with doggy odour.

Citronella oil has Ceylon and Java which are the two main varieties of citronella from which the essential oil is derived via steam distillation of their fresh leaves. Used in aromatherapy applications, citronella essential oil slows or prevents the growth or spread of harmful airborne bacteria and repels flying insects. Topically, it helps to deodorize and refresh doggy odours, as well as helps to eliminate some skin pathogens thus improving skin and coat health. Citronella oil helps to condition the hair/fur, improve the skin's absorption of moisture, helps protect it from sun damage, and removes tangles in the coat. Citronella oil also helps to stimulate skin tissue which can help improve circulation, as well as facilitate the healing of eczema and dermatitis. It has properties such as anti-fungal, anti-bacterial and antiseptic actions.

Geranium oil is most commonly cultivated for the extraction of the sweet-smelling oil. Topically, geranium oil is used to promote the regeneration of new skin tissues. It works as an anti-inflammatory and anti-septic agent. It is reputed to encourage circulation, thus helping with the natural healing process to dermatitis.

Lavender oil is known for its calming, physically and emotionally balancing fragrance. It has been commonly used for its relaxing effects on the body. The oil is utilized for its soothing properties and to help with doggy odour. It is used as a nervine/calmative and helps relieve joint/muscle aches associated with sprains or strains. It is also used for its antimicrobial properties.

Lemongrass oil is among the most popular essential oils used today for its effectiveness, health benefits, and wide variety of applications. It is used for its antimicrobial properties and it helps to eliminating harmful bacteria.

Neem oil is loaded with nutrients and is high in important fatty acids and vitamin E, and can quickly penetrate outer layers of the skin. It is extremely effective in healing dry and damaged skin. Neem also helps fight free radical damage in the skin because it contains a phytonutrient called carotenoids, which provide high antioxidant action. As a result, neem oil and neem extracts are widely used in cosmetics such as soaps, hair and skin products and also pet shampoos. The fatty acids and vitamin E found in neem oil are easily absorbed into the skin without leaving the skin greasy. Once absorbed, these powerful components work to rejuvenate the skin's cells and restore elasticity. It promotes soft and supple skin, helps in reducing old scars and promotes healing. The oil has anti-fungal, anti-bacterial, antiseptic, and anti-inflammatory qualities.

Sunflower oil is linoleic acid produced by expressing the oils from sunflower seeds and is typically used internally in the body. Sunflower oil is used as a topical agent.

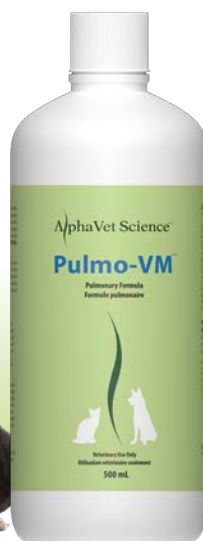
Surfactant helps to hold the blend of oils together in AVS' ProTunica-VM™ spray.

AlphaVet Science™

Pulmo-VM™

Pulmonary Formula

500 mL



Pulmo-VM™ is a nine-botanical formulation to help augment pulmonary function through the synergistic blend of ingredients and their antioxidant, antitussive and expectorant actions.

Ingredients per 1 teaspoon (5 mL):

<i>Lonicera japonica</i> (Japanese Honeysuckle Flower).....	175 mg
<i>Rosmarinus officinalis</i> (Rosemary Leaf)	175 mg
<i>Fritillaria thunbergii</i> (Thunberg Fritillary Bulb).....	175 mg
<i>Scutellaria baicalensis</i> (Baikal Skullcap Root).....	100 mg
<i>Polygala tenuifolia</i> (Chinese Senega Root).....	75 mg
<i>Ocimum sanctum</i> (Holy Basil Leaf).....	50 mg
<i>Siraitia grosvenorii</i> (Monk Fruit).....	50 mg
<i>Verbascum thapsus</i> (Mullein Flower).....	50 mg
<i>Morus alba</i> (Mulberry Leaf)	50 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

INGREDIENTS

Japanese Honeysuckle Flower (*Lonicera japonica*): in traditional European and Chinese herbalism, it is used to treat respiratory disorders. This herb is said to have anti-microbial and anti-inflammatory actions.

Rosemary Leaf (*Rosmarinus officinalis*): a bronchodilator and inhibits the histamine constricting action on the bronchial smooth muscle. Rosemary has anti-inflammatory, antiseptic, and nerve properties.

Thunberg Fritillary Bulb (*Fritillaria thunbergii*): an important traditional Chinese herb commonly used as a cough medicine and to expel phlegm. It has anti-inflammatory, antitussive, diuretic and expectorant actions.

Baikal Skullcap Root (*Scutellaria baicalensis*): studies have shown that the anti-microbial effects to be beneficial in treating upper respiratory infections. It has anti-inflammatory, antioxidant, anti-bacterial, expectorant, anti-allergic properties.

Chinese Senega Root (*Polygala tenuifolia*): WHO documents it as an expectorant for symptomatic treatment of cough due to bronchitis and catarrh of the upper respiratory tract. It has expectorant and anti-hyperglycemic actions.

Holy Basil Leaf (*Ocimum sanctum*): maintains a healthy liver by reducing cholesterol and triglyceride accumulation in the liver and by increasing fecal bile acid excretion. Holy basil has hepatoprotective, immunomodulatory, adaptogenic, analgesic, and antioxidant properties.

Monk Fruit (*Siraitia grosvenorii*): has been traditionally used as an expectorant and antitussive, to treat lung congestion, cough and other respiratory ailments. Monk fruit has antihistaminic, antioxidant, and hypoglycemic actions.

Mullein Flower (*Verbascum Thapsus*): from antiquity it has been used as an herb in the treatment of inflammatory diseases, asthma, spasmodic coughs, and other pulmonary problems. This herb possesses anti-bacterial, anti-viral, analgesic, anti-inflammatory, and hepatoprotective properties.

Mulberry Leaf (*Morus alba*): has been shown to inhibit the inflammatory process in lung tissue. Pharmacological studies in dogs have demonstrated its usefulness in the treatment of cough. It has anti-bacterial, hypoglycemic, diuretic, analgesic, and anti-inflammatory properties.

Pulmo-VM™

- ✓ Helps to detoxify the lungs
- ✓ Helps to suppress cough
- ✓ Helps to expel phlegm
- ✓ Helps in easy breathing
- ✓ Reduces inflammation of the respiratory tract

AlphaVet Science™

SinewStrength-VM™

A Complete Health Maintenance Complex

NN.S2C2 · 100g, 250 g & 500 g



Recommended Uses: Supports and maintains the healthy development of bones, connective tissues, muscles, ligaments and tendons. Aids in digestion and normal functioning of the digestive system. Supports healthy pelage. Source of essential amino acids and antioxidants.

Ingredients per 1 scoop (5 g):

VITAMINS

beta-Carotene.....	600 mcg (1000 IU)	Vit. C (L-Ascorbic acid).....	100 mg
Vit. B1 (Thiamine hydrochloride).....	2 mg	Vit. D3 (Cholecalciferol)	12.5 mcg (500 IU)
Vit. B2 (Riboflavin)	2 mg	Vit. E (d-alpha Tocopheryl acetate)	16.8 mg AT (25 IU)
Vit. B3 (Niacinamide).....	20 mg	Vit. K2 (Menaquinones)	10 mcg
Vit. B5 (D-Pantothenic acid)	5 mg	Choline (Choline bitartrate)	10 mg
Vit. B6 (Pyridoxine hydrochloride).....	2 mg	Inositol (Myo-inositol)	10 mg
Vit. B7 (Biotin).....	200 mcg	Rutin.....	10 mg
Vit. B9 (L-Methylfolate).....	300 mcg		
Vit. B12 (Cyanocobalamin).....	100 mcg		

MINERALS*

Boron (Sodium borate).....	250 mcg	Manganese (Manganese sulfate)	2 mg
Calcium (Calcium citrate).....	50 mg	Molybdenum (Sodium molybdate)	100 mcg
Chromium (Chromium polynicotinate)	100 mcg	Selenium (L-Selenomethionine)	10 mcg
Copper (Cupric gluconate)	1000 mcg	Silicon (Sodium metasilicate)	1 mg
Magnesium (Magnesium citrate).....	50 mg	Zinc (Zinc citrate)	1 mg

PHYTONUTRIENTS

<i>Boswellia serrata</i> (Frankincense Resin)	25 mg
<i>Chlorella vulgaris</i> (Chlorella Broken Cell)	100 mg
<i>Curcuma longa</i> (Turmeric Rhizome)	15 mg
<i>Harpagophytum procumbens</i> (Devil's claw Root).....	20 mg
<i>Moringa oleifera</i> (Drumstick Tree Leaf & Seed).....	200 mg

ACCESSORY NUTRIENTS

Chondroitin sulphate (Bovine Cartilage).....	Hyaluronic acid.....	75 mg
.....500 mg	Hydrolyzed collagen (Fish Skin)	1000 mg
Glucosamine sulphate (Shellfish Exoskeleton) ...	Methylsulphonylmethane (MSM).....	400 mg
..... 1000 mg		

AMINO ACIDS

L-Arginine.....	20 mg	L-Leucine.....	20 mg	L-Threonine.....	20 mg
L-Carnitine.....	50 mg	L-Lysine.....	20 mg	L-Tryptophan.....	20 mg
L-Glutamine.....	50 mg	L-Methionine.....	20 mg	L-Valine.....	20 mg
L-Histidine.....	20 mg	L-Phenylalanine.....	20 mg		
L-IsoLeucine.....	20 mg	L-Taurine.....	20 mg		

ENZYMES**

alpha-Amylase.....	15 mg (330 FCC DU)	Lipase.....	35 mg (42 FCC LU)
Cellulase.....	10 mg (35 FCC CU)	Protease.....	40 mg (720 FCC HUT)

*MINERALS | Elemental Quantities

**ENZYMATIC UNITS

FCC (Food Chemicals Codex)

FCC CU (Cellulase Units)

FCC DU (alpha-Amylase Dextrinizing Units)

FCC HUT (Hemoglobin Unit on a Tyrosine Basis)

FCC LU (Lipase Units)

Directions:

Lbs	Kg	Dosage	
		g	Scoop(s)
1-10	0.5-4.5	1.25	¼
11-20	5-9.1	2.5	½
21-50	9.5-22.7	5	1
51-75	23.1-34	6.25	1¼
76-100	34.5-45.4	7.5	1½
>100	45.4	10	2

Administer orally per day. Mix recommended dose with food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, wheat or yeast.

Storage: Do not refrigerate. Store protected from light and moisture.

SinewStrength-VM™

- ✓ Joint Complex: D-Chondroitin sulphate, MSM, and D-Glucosamine sulphate
- ✓ Connective tissue support from Hyaluronic Acid and Hydrolyzed Collagen
- ✓ For healthy skin, hair, fur and pet's coat
- ✓ Has essential and non-essential amino acids, joint mobility ingredients, essential vitamins and minerals, antioxidants, trace minerals, phytonutrients and enzymes
- ✓ 4 enzymes for better digestion and absorption

Vitamins

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.

Vitamin B1: enhances energy productions, specifically for the brain. It is intricately involved with other B vitamins in energy metabolism. Vitamin B1 helps the body to metabolize carbohydrates, proteins and fats, and helps normal growth. It also 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 B3: helps the body to metabolize carbohydrates, proteins and fats and assists in normal growth and development. Niacin is a component involved in over 50 different chemical reactions in the body. It plays an important role in energy production, fat and carbohydrate metabolism and the manufacture of sex and adrenal hormones. Vitamin B3 is required for basic bodily functions such as turning food into usable energy and creating red blood cells.

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

Vitamin B6: helps the body to metabolize carbohydrates, proteins and fats, and it helps in tissue formation. Vitamin B6 helps the body make certain hormones, as well as chemicals in the brain called neurotransmitters. It also helps boost immune system functioning. Vitamin B6 is involved in the formation of protein structures, structural compounds and chemical transmitters. B6 is critical in maintaining hormone balance and immune functions. This vitamin is involved in more than 60 different enzyme processes and in cell multiplication.

Vitamin B7: 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. B7 helps the body to metabolize carbohydrates, fats and proteins.

Vitamin B9: 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.

Vitamin B12: helps the body to metabolize carbohydrates, proteins and fats and helps to form red blood cells. Folic acid and Vitamin B12 both work together as methyl donors to facilitate the manufacture of DNA and brain neurotransmitters. Vitamin B12 also works with B6 to reduce homocysteine levels.

Vitamin C: helps the body to metabolize fats and proteins, and helps in the development and maintenance of bones, cartilage, teeth and gums. Vitamin C also helps in connective tissue formation and in wound healing.

Vitamin D3: functions as a necessary co-factor in calcium absorption and utilization. Vitamin D helps in the development and maintenance of bones and teeth, is a factor in the maintenance of good health and helps in the absorption and use of calcium, phosphorus and trace mineral functions.

Vitamin E: is a source of antioxidants that protects the fat in body tissues from oxidation. It helps to fight against the oxidative effect caused by free radicals and helps to prevent

vitamin E deficiency.

Vitamin K2: is a source of vitamins that helps in normal growth and development and supports biological functions which play a key role in the maintenance of good health. Vitamin K2 contributes to the maintenance of bones and it helps to prevent vitamin K2 deficiency.

Choline: helps 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.

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.

Rutin: provides antioxidant support and is used in herbalism as a capillary/blood vessel protectant.

Minerals

Boron: is one of the micronutrients required for optimal health and it is involved in maintaining good bone mineralization. It 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's 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.

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.

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).

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. Manganese is also a part of Mn-superoxide dismutase, which is involved with limiting the buildup of highly reactive oxide molecules in cells. It is a nutrient used in metabolic and biological functions, supports the nervous system functions and normal bone development.

Molybdenum: helps to prevent molybdenum deficiency and helps to maintain the body's ability to metabolize nutrients.

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

Silicon: is a trace mineral that is involved in many enzymatic pathways and metabolic reactions. Silicon works to enhance the remineralization 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.

Zinc: helps in connective tissue formation and maintains healthy skin and immune functions. It also helps the body to metabolize carbohydrates, proteins and fats.

Phytonutrients

Frankincense Resin (*Boswellia serrata*): exerts beneficial effects on allergic respiratory ailments, and exerts beneficial effects on various types of inflammatory conditions. *Boswellia serrata* comes from a tree indigenous to India and the gummy resin is used. *Boswellia* blocks the synthesis of pro-inflammatory 5-lipoxygenase products, including 5-hydroxyeicosatetraenoic acid (5-HETE) and leukotriene B4 (LTB4). It is known that non-steroidal, anti-inflammatory drugs can cause a disruption of glycosaminoglycan.

Chlorella (*Chlorella vulgaris*): is a single-celled algae and is considered a superfood as it is rich with phytonutrients, including antioxidants, amino acids, chlorophyll, beta-carotene, potassium, phosphorous, biotin, magnesium and the B-complex vitamins. Chlorella's rich, green colour comes from a high concentration of chlorophyll. It has an impressive mix of vitamins, minerals, antioxidants, and phytonutrients and is often used for inflammatory-related conditions, as well as its detoxifying and renewing benefits. Because of its rich source of nutrients, it is used to support the immune functions, wound healing and aids the natural detoxification processes. It also supports cardiovascular health and is considered an "eye health" nutrient, courtesy of its plentiful amounts of beta-carotene and lutein.

Turmeric Rhizome (*Curcuma longa*): has anti-inflammatory properties that help to reduce the aggravation that occurs with arthritis as it reduces inflammation. It also supports the liver functions and aids the digestive process by increasing bile (supporting the natural elimination processes). It 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 and hepatic properties.

Devil's Claw Root (*Harpagophytum procumbens*): contains both bioflavonoids and phytosterols which are plant-based antioxidants with anti-spasmodic properties. Because of its anti-inflammatory properties, it helps to relieve 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.

Drumstick Tree (*Moringa oleifera*): has demonstrated anti-inflammatory properties by altering oxidative stress and inhibiting production of inflammatory mediators in arthritic animals. This herb possesses anti-inflammatory, antispasmodic, diuretic, anti-hypertensive, antioxidant, hepatoprotective, anti-bacterial and anti-fungal activities. It is required for digestion, blood clotting, squeezing and relaxing muscles, releasing hormones, and proper nerve function.

Accessory Nutrients

Chondroitin Sulphate: 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.

Hyaluronic acid: is a glycosaminoglycan, a chain of disaccharides (sugars) present as a component of all connective tissue. Hyaluronic acid is synthesized naturally in a healthy body and as your pets age, the levels of hyaluronic acid decrease and as a result, your older pet may have aching and stiff joints. Hyaluronic acid helps in connective tissue formation and in the development and maintenance of cartilage.

D-Glucosamine Sulphate: 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 sulphate is the purest form of glucosamine that is recognized by the body and is best manufactured through enzymatic processes. D-glucosamine sulphate provides the D-isomer form of glucosamine which is 100% utilized/integrated into the body's tissues (tendons, ligaments and sinew).

Hydrolyzed Collagen: is a source of essential amino acids (histidine, isoleucine, leucine, lysine, phenylalanine, threonine, valine) for the maintenance of good health (and involved in protein synthesis). It is also a source of non-essential amino acids (alanine, arginine, aspartic acid, glutamic acid, glycine, proline, serine, tyrosine) involved in protein synthesis.

Hydrolyzed collagen is a source of the essential amino acid lysine to help in collagen formation. It also helps to reduce joint pain associated with osteoarthritis.

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.

Amino Acids

L-Glutamine: is one of the non-essential amino acids. The body uses glutamine to create proteins, and amino sugars, and to support the production of the super-antioxidant glutathione. The body also uses glutamine to increase water retention in muscle cells, help signaling cell growth and to start intensifying production of protein and glycogen.

L-Leucine(BCAA): is used in the liver, but primarily in the muscle and fat. It is used in the biosynthesis of sterols in the body and has the ability to stimulate muscle growth and inhibit muscular degradation. It also helps to stabilize and lower blood sugar levels.

L-Isoleucine (BCAA): is metabolized in the muscle tissues. It builds proteins and enzymes, stimulates the brain, promotes muscle recovery after physical exercise, regulates blood sugar levels and is used to make the vital iron carrying hemoglobin.

L-Valine (BCAA): is a branched-chain amino acid found in high concentration in muscle tissue and it is helpful in treating addictions.

L-Histidine: is used to form histamine, a neurological compound released during allergic responses. It is used for the growth and repair of tissue; it is required for the fabrication of both red and white blood cells; it helps to protect the body from damage caused by radiation; and also aids in heavy metal detoxification.

Amino Acids

L-Threonine: helps the liver reduce fat, maintains protein balance and supports cardiovascular, liver, central nervous system and immune system function by being involved in the production of antibodies. It is involved in the production of collagen, elastin, connective and muscle tissue, especially the heart, where it is found in a higher concentration and may decrease wound healing and recovery time from injury.

L-Tryptophan: assists normal growth in animals and for nitrogen balance in adult animals. Tryptophan supports the immune system and reduces anxiety.

L-Phenylalanine: the body changes this into tyrosine, another amino acid that is needed to make proteins, and neurotransmitters including L-dopamine, epinephrine, and norepinephrine, and thyroid hormones.

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.

L-Carnitine: aids in the muscle recovery process by reducing muscle tissue damage associated with a training regimen; helps support muscle tissue repair for animals involved in training; helps improve physical performance when used in conjunction with a training regimen; helps delay fatigue during physical activity; helps support fat metabolism and fat oxidation.

L-Lysine: is important for proper growth, and it plays an essential role in the production of Carnitine, a nutrient responsible for converting fatty acids into energy and helping to lower cholesterol. Lysine aids in the absorption of calcium, plays an important role in the formation of collagen, (benefits bones, connective tissues including skin, tendon, and cartilage) and the formation of antibodies, hormones and connective tissues.

L-Methionine: is best known for its ability to supply sulfur and other compounds required for the metabolism and growth. Sulfur is a key element and vital to the utilization of a number of antioxidant nutrients and prevents problems with the skin and nails.

L-Arginine: plays an important role in cell division, the healing of wounds, removing

ammonia from the body, immune function, and the release of hormones.

Enzymes

alpha-Amylase: is a digestive enzyme and digestive aid that helps decrease bloating after high caloric, high fat meals. Amylase is responsible for digesting carbohydrates.

Cellulase: is an enzyme that breaks down the cellulose molecule into monosaccharides (simple sugars from plant foods) such as beta-glucose, or shorter polysaccharides and oligosaccharides. The cell walls of plants are made up of cellulose. The role of cellulase in SinewStrength-VM™ is to digest the cellulose cell wall thus increasing the quantity of phytonutrients released.

Lipase: is a digestive enzyme and digestive aid that helps decrease bloating after high caloric, high fat meals. Lipase works to help the body digest fats.

Protease: is used as a digestive aid and as a digestive enzyme. It helps to digest proteins.

Additional Ingredients

Spirulina: is a microscopic single-celled alga and a complete protein source as it has the highest concentration of protein by weight of any food. Spirulina is vitamin- and mineral-dense, and is rich in enzymes and antioxidants such as superoxide dismutase. It helps to boost normal energy levels in the body and it supports liver metabolism (detoxification). It supports cellular health as it contains an array of nutrients and is considered a perfect protein, which means it contains all of the essential and non-essential amino acids as well (20 amino acids). It is one of the best sources of chlorophyll on the planet and is rich in bioavailable vitamins, minerals, amino acids, essential fatty acids and chlorophyll. It supports joint health by reducing inflammation through its antioxidant properties. Spirulina is also considered to be a blood-building nutrient, primarily due to its polypeptide content (called phycocyanin). Additionally, spirulina is believed to help maintain digestive system health by serving as a food/fuel source for beneficial intestinal flora.

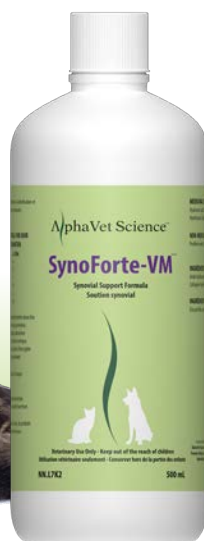
Apple fibre: promotes healthy intestinal flora, bowel movements and maintains a healthy colon. It provides antioxidants for the maintenance of health, supports cardiovascular health and is used as a bulk forming laxative.

AlphaVet Science™

SynoForte-VM™

Synovial Support Formula

NN.L7K2 • 500 mL



Recommended Uses: Supports lubricating and cushioning of the synovial joints.

Ingredients per 1 teaspoon (5 mL):

Hyaluronic acid (Sodium hyaluronate) 30 mg
Hydrolyzed Collagen (Marine Collagen) 500 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered).

Directions:

Lbs	Kg	Maintenance Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	1.25	¼
11-20	5-9.1	2.5	½
21-40	9.5-18	5	1
41-75	18.5-34	7.5	1½
76-100	34.5-45.4	10	2
>100	45.4	12.5	2 ½

Maintenance dose:

Administer orally per day.

Loading dose: Administer the maintenance dose twice daily, morning and evening, for the first two weeks.

Syringe directly into the mouth for best results. Can be added to animal's food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, soy, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

Hyaluronic acid: is a gel-like water holding molecule that is the space filler and cushioning agent in all mammals and an important component of joint fluid. Hyaluronic acid has been used for more than four decades in the management of osteoarthritis in dogs, horses and humans.

It is distributed widely throughout connective, epithelial, neural tissues and intracellular fluids including the aqueous and vitreous humour of the eye. Found naturally in the synovial joints, it owns a key role in musculoskeletal structure as a cushioning and lubricating agent between joint surfaces against mechanical and chemical damage, while providing rigidity to vertebrae. Hyaluronic acid produces anti-arthritis effects via multiple mechanisms involving receptors, enzymes and other metabolic pathways. Lubrication of the joints, as well as anti-inflammatory and antioxidant properties are found to be the mechanisms of action of hyaluronic acid.

As a visco-supplement, hyaluronic acid is a valued therapeutic agent in fields as diverse as orthopaedics, dermatology, ophthalmology, ENT (ear, nose, throat), and dentistry.

Hydrolyzed collagen (Marine collagen): it is a source of the essential amino acids: histidine, isoleucine, leucine, lysine (helps in collagen formation), methionine, phenylalanine, threonine, and valine; and is a source of the non-essential amino acids: alanine, arginine, aspartic acid, glutamic acid, glycine, proline, serine, tyrosine for the maintenance of good health and is involved in protein synthesis.

Marine collagen has gained extensive recognition in the recent past as an appropriate alternative to mammalian collagen. It is processed from different sources and their by-products such as skin, scales and bones. Marine collagen has been extracted mainly from fish skin and is a rich source of type 1 collagen. Type 1 collagen forms more than 90% of the organic mass of bone and is the essential collagen of tendons, skin, ligaments, cornea and most interstitial connective tissues.

- ✓ An oral hyaluronic acid and marine collagen supplement essential for joint function
- ✓ Supports the lubrication and cushioning of the synovial joints
- ✓ Improves the viscosity of the synovial (lubricating) fluid
- ✓ Maintains healthy joint and cartilage functions
- ✓ Increases the fluid levels in the tissues
- ✓ Contains 30 mg of short chain hyaluronic acid for quicker absorption in the body
- ✓ Specially formulated with a unique delivery system to ensure high bioavailability

AlphaVet Science™

VimForte-VM™

Multivitamin and Mineral Formula

120 mL & 500 mL



The class of vitamins and minerals sometimes referred to as micro-nutrients are required by the body as essential energy elements. They are important to keep the body healthy and provide it with a balanced health status.

VimForte-VM™ is a nutritional supplement of macro-minerals, micro-minerals, fat-soluble vitamins, water-soluble vitamins and antioxidants essential for diverse biochemical functions.

Ingredients per 1 teaspoon (5 mL):

Vit. D3 (Cholecalciferol).....	200 IU	Calcium (Citrate)	50 mg
Vit. E (d-alpha Tocopherol)	50 IU	Magnesium (Citrate).....	30 mg
beta-Carotene.....	2500 IU	Boron (Sodium Borate)	500 mcg
Vit. B1 (Thiamine Hydrochloride)....	2 mg	Chromium (Polynicotinate)....	10 mcg
Vit. B2 (Riboflavin).....	2 mg	Copper (Gluconate).....	0.5 mg
Vit. B3 (Niacinamide)	15 mg	Manganese (Sulphate).....	2 mg
Vit. B5 (Calcium Pantothenate) ...	5 mg	Selenium (L-selenomethionine) ...	25 mcg
Vit. B6 (Hydroxine Hydrochloride) ..	1 mg	Silicon (Sodium Metasilicate) ...	5 mg
Vit. B7 (Biotin)	25 mcg	Zinc (Citrate)	5 mg
Vit. B9 (Folic Acid).....	100 mcg	Choline Bitartrate.....	20 mg
Vit. B12 (Cyanocobalamin)	25 mcg	Inositol	35 mg
Vit. C (Ascorbic Acid).....	50 mg	Lecithin	25 mg

Non-medicinal ingredients: Purified water, Citric acid, Potassium sorbate, Benzoic acid (buffered), Natural apple concentrate.

Directions by animal body weight:

1-10 lbs 0.5-4.5 kg	½ teaspoon (2.5 mL) daily
11-20 lbs 5-9.1 kg	1 teaspoon (5 mL) daily
21-50 lbs 9.5-22.7 kg	1½ teaspoons (7.5 mL) daily
51-100 lbs 23.2-45.5 kg	2 teaspoons (10 mL) daily
>100 lbs 45.5 kg	1 tablespoon (15 mL) daily

INGREDIENTS

Vitamin D3: dogs and cats have limited ability to synthesize vitamin D from sunlight. Vitamin D3 functions as a necessary co-factor in calcium absorption and utilization. Vitamin D helps in the development and maintenance of bones and teeth, is a factor in the maintenance of good health and helps in the absorption and use of calcium, phosphorus and trace mineral functions.

Vitamin E: an antioxidant that maintains the stability of cell membranes. Vitamin E is a source of antioxidants that protects the fat in body tissues from oxidation. It helps to fight against the oxidative effect caused by free radicals and helps to prevent vitamin E deficiency.

beta-Carotene: stimulates and restores immune responses. 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.

Vitamin B1: plays a central role in the generation of energy from carbohydrates. Vitamin B1 enhances energy productions, specifically for the brain. It is intricately involved with other B vitamins in energy metabolism. Vitamin B1 helps the body to metabolize carbohydrates, proteins and fats, and helps normal growth. It also helps boost the immune system and strengthens the body under stressful conditions.

Vitamin B2: is involved in the energy production and breaking down fatty acids. 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 B3: plays an important role in the metabolism of glucose and fat. Vitamin B3 helps the body to metabolize carbohydrates, proteins and fats and assists in normal growth and development. Niacin is a component involved in over 50 different chemical reactions in the body. It plays an important role in energy production, fat and carbohydrate metabolism and the manufacture of sex and adrenal hormones. Vitamin B3 is required for basic bodily functions such as turning food into usable energy and creating red blood cells.

VimForte-VM™

- ✓ Provides RDA of vitamins and minerals
- ✓ Supports normal body metabolism
- ✓ Increases pet's normal energy levels
- ✓ Maintains healthy skin and coat
- ✓ Has antioxidants
- ✓ Maintains good health for all ages
- ✓ Helps to prevent nutritional deficiencies
- ✓ Improves physical and mental conditions
- ✓ Supports the functions of the organ pathways

Allergens: Contains no corn, dairy, gluten, wheat or yeast.

INGREDIENTS

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

Vitamin B6: plays a vital role in the function of important enzymes in the body. Vitamin B6 helps the body to metabolize carbohydrates, proteins and fats, and it helps in tissue formation. Vitamin B6 helps the body make certain hormones, as well as chemicals in the brain called neurotransmitters. It also helps boost immune system functioning. Vitamin B6 is involved in the formation of protein structures, structural compounds and chemical transmitters. B6 is critical in maintaining hormone balance and immune functions. This vitamin is involved in more than 60 different enzyme processes and in cell multiplication.

Vitamin B7: helps in the metabolism of lipids, proteins and carbohydrates. Vitamin B7 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. B7 helps the body to metabolize carbohydrates, fats and proteins.

Vitamin B9: helps in the metabolism of amino acids and production of red blood cells. Vitamin B9 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.

Vitamin B12: essential in the production of blood cells and nerve sheaths. Vitamin B12 helps the body to metabolize carbohydrates, proteins and fats and helps to form red blood cells. Folic acid and Vitamin B12 both work together as methyl donors to facilitate the manufacture of DNA and brain neurotransmitters. Vitamin B12 also works with B6 to reduce homocysteine levels.

Vitamin C: required for the synthesis of collagen. Vitamin C helps the body to metabolize fats and proteins, and helps in the development and maintenance of bones, cartilage, teeth and gums. Vitamin C also helps in connective tissue formation and in wound healing.

Calcium: is a major structural element in bones and teeth. Calcium is known for its role in building strong bones, and keeping the dog's 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. Calcium is a mineral that must be consumed through diet; it cannot be made inside the body. Over 98% of total body calcium is stored in your pet's bones which works as a mineral bank where calcium is deposited and withdrawn on a daily basis. Calcium is an interdependent mineral that works synergistically with co-factors to deliver its benefits. Calcium and magnesium are primarily responsible for maintaining a healthy bone mineral balance, as well as Vitamin D which is an essential factor in the absorption of calcium and magnesium.

Magnesium: involved in more than 300 essential metabolic reactions in the body. 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.

INGREDIENTS

Boron: influences the composition, structure and strength of bones. Boron is one of the micronutrients required for optimal health and it is involved in maintaining good bone mineralization. It 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.

Chromium: involved in carbohydrate and fat metabolism. 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.

Copper: essential to the proper functioning of organs and metabolic processes. 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).

Manganese: involved with the formation of cartilage and bone. 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. Manganese is also a part of Mn-superoxide dismutase, which is involved with limiting the buildup of highly reactive oxide molecules in cells. It is a nutrient used in metabolic and biological functions, supports the nervous system functions and normal bone development.

Selenium: essential element in body antioxidation system. Selenium provides the body with antioxidant support and helps protect it against oxidative stress. Selenium also helps to maintain normal function of the thyroid gland and also plays a key role in forming the antioxidant enzyme glutathione peroxidase which helps protect the body from free radical damage.

Silicon: plays a role in the calcification and maturation of bone. 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.

Zinc: involved in growth and development, immune system, and reproduction. Zinc helps in connective tissue formation and maintains healthy skin and immune functions. It also helps the body to metabolize carbohydrates, proteins and fats.

Choline: plays an important in the nervous system. Choline helps 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.

Inositol: lowers cholesterol levels and improves mood. 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.

Sunflower Lecithin: reduces cholesterol, metabolizes fats, and protects liver.

Wild Salmon Oil Blend-VM™

Essential Fatty Acids Formula

NN.D7H7 · 250 mL & 500 mL



Recommended Uses: Source of essential fatty acids (omega-3) to support healthy pelage, cognitive health, as well as cardiovascular, immune, musculoskeletal, renal and hepatic health.

Ingredients per 1 teaspoon (5 mL):

Blend of Omega-3 Essential Fatty Acids

Salmon Oil.....3 mL
Fish Oil (Anchovy, Mackerel, Sardine).....2 mL

Omega-3 1375 mg

EPA (Eicosapentaenoic acid)825 mg

DHA (Docosahexaenoic acid)550 mg

Non-medicinal ingredients: Vitamin E (mixed tocopherols).

Directions:

Lbs	Kg	Dosage	
		mL	Teaspoon(s)
1-10	0.5-4.5	1.25	¼
11-20	5-9.1	2.5	½
21-50	9.5-22.7	5	1
51-75	23.1-34	7.5	1½
76-100	34.5-45.4	10	2
>100	45.4	15	3 (1 tablespoon)

Give 1-2 times per day. Mix recommended dose with food. Shake well before use. For use in cats and dogs only.

Allergens: Contains no corn, dairy, gluten, wheat or yeast.

Storage: Refrigerate after opening. Consume within 6 months after opening.

INGREDIENTS

Wild Salmon Oil Blend-VM™ is a synergistic blend of Omega-3 essential fatty acids purified from 60% Alaskan salmon & 40% Atlantic mackerel, European pilchard and Peruvian anchovy. Each fish oil in the Wild Salmon Oil Blend-VM™ is molecularly distilled to remove toxins, pesticides, and heavy metals to ensure purity while providing a high dose of DHA and EPA.

Deep-sea fish oils (are high in EPA and DHA and further contribute to the benefits of the oil blend. The small fishes in this formulation is purified by molecular distillation and this high-tech process removes most of the harmful toxins. Large species of fish may contain significant levels of mercury, polychlorinated biphenyls (PCBs), arsenic or other environmental contaminants as they accumulate over a fish's life span. However, small fishes (Atlantic mackerel, European pilchard and Peruvian anchovy) do not live for very long so they do not get a chance to accumulate these toxins.

This formulation also includes mixed tocopherols (vitamin E) which contains both d-alpha tocopherol and gamma tocopherol. It is important to have both forms of vitamin E as d-alpha tocopherol scavenges reactive oxygen species and gamma tocopherol provides protection against reactive nitrogen species which d-alpha tocopherol cannot do.

Wild Salmon Oil Blend-VM™

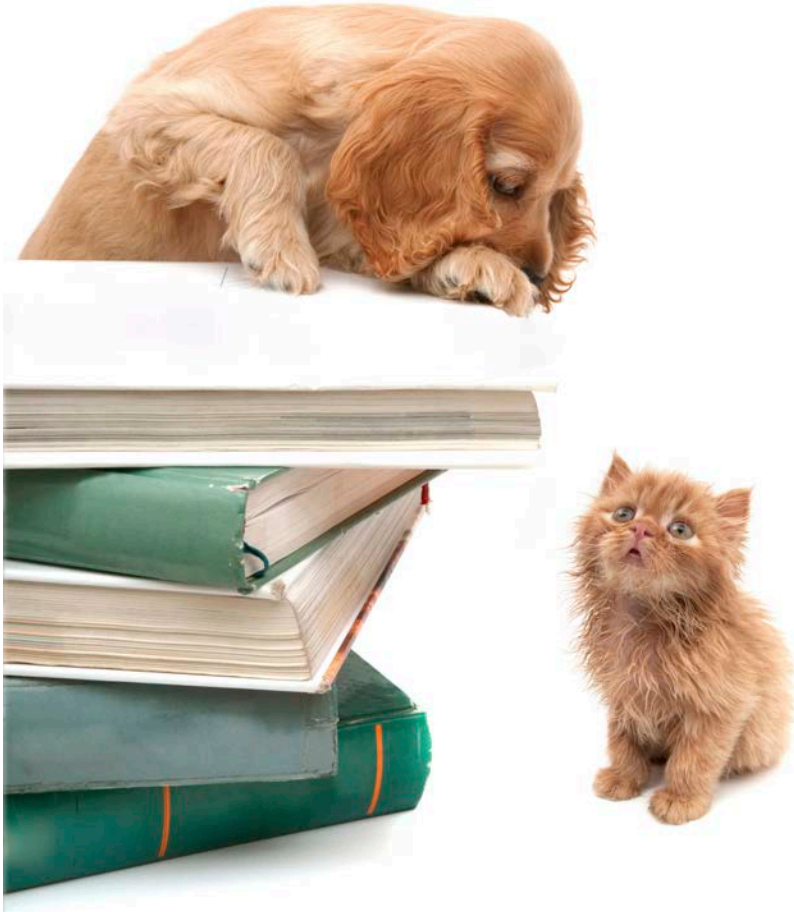
- ✓ Synergistic blend of essential fatty acids derived from Alaskan salmon, Atlantic mackerel, European pilchard, Peruvian anchovy, and vitamin E
- ✓ Maintains healthy skin, fur and coat
- ✓ Supports cognitive health and cardiovascular health
- ✓ Supports the health of the liver and kidneys
- ✓ Contains sources of EFAs for the maintenance of good health
- ✓ Helps to modulate the immune system and maintain health
- ✓ Omega Alpha's oils are molecularly distilled ensuring purity
- ✓ Omega Alpha's oils are NON-GMO, GMP and human-grade
- ✓ No toxins, pesticides or heavy metals

AlphaVet Science™ Guarantee, Product Chart



HEALTH PRODUCTS FOR CATS & DOGS	ITEM # & SIZES	Dairy Free	Gluten, Grain & Wheat Free	Egg Free	Soy Free	No Sugar Added
Adapt-VM™ (NN.J207)	(500 mL) 500402	✓	✓	✓	✓	✓
Antitis-VM™ (NN.D7N5)	(120 mL) 501102 (500 mL) 500457	✓	✓	✓	✓	✓
Anzio-VM™ (NN.Y8W8)	(120 mL) 501157 (500 mL) 500501	✓	✓	✓	✓	✓
Articulare-VM™ (NN.O6S1)	(120 mL) 500563 (500 mL) 500556	✓	✓	✓	✓	✓
Hepato-VM™	(120 mL) 501201 (500 mL) 500600	✓	✓	✓	✓	✓
Immunine-VM™	(500 mL) 500655	✓	✓	✓	✓	✓
Nephro-VM™	(120 mL) 501256 (500 mL) 500709	✓	✓	✓	✓	✓
Omega 3/6/9-VM™ (NN.Z8C6)	(250 mL) 500778 (500 mL) 500754	✓	✓	✓	* (Vitamin E)	✓
Pelcid-VM™	(120 mL) 501300 (500 mL) 500808	✓	✓	✓	✓	✓
Probenz-VM™ (NN.Q2R7)	(150 g) 501355 (310 g) 500853	✓	✓	✓	✓	✓
ProTunica-VM™	(120 mL) 501553	✓	✓	✓	* (Vitamin E)	✓
Pulmo-VM™	(500 mL) 500907	✓	✓	✓	✓	✓
SinewStrength-VM™ (NN.S2C2)	(100 g) 501539 (250 g) 501508 (500 g) 501522	✓	✓	✓	* (Vitamin E)	✓
SynoForte-VM™ (NN.L7K2)	(500 mL) 500952	✓	✓	✓	✓	✓
VimForte-VM™	(120 mL) 501454 (500 mL) 501003	✓	✓	✓	* (Vitamin E)	✓
Wild Salmon Oil Blend-VM™ (NN.D7H7)	(250 mL) 501072 (500 mL) 501058	✓	✓	✓	* (Vitamin E)	✓

*Vitamin E (mixed tocopherols) is derived from soy.



- ✓ Scientifically based natural source formulations
- ✓ Researched, developed and manufactured in-house
- ✓ Follow the regulations and quality standards set by Health Canada
- ✓ Site License provided by Health Canada that confirms Good Manufacturing Practices (GMP)
- ✓ GMP is recognized and practiced throughout the world as a measure of safety, effectiveness and quality
- ✓ Purest and finest ingredients from trusted suppliers around the world
- ✓ Raw materials are subjected to a comprehensive set of defined laboratory tests to ensure their purity, potency, and stability
- ✓ Manufactured in small batches
- ✓ Ensures highest level of product safety

Glossary of Therapeutic Actions from Herbs

Adaptogen: The term adaptogen is used by herbalists to refer to a natural herb product that is proposed to increase the body's resistance to stress, trauma, anxiety and fatigue.

Alterative: Herbs that alter or change a long-standing condition by aiding the elimination of metabolic toxins.

Analgesic or anodynes: These herbs reduce or eliminate pain (e.g., digestive, circulatory, respiratory, nervous system, nerve, muscle, tooth pain, nervous digestion, and headaches). Some herbs are strong pain relievers, often working best against pains of specific causes.

Anthelmintic/Vermifuge: An agent that destroys and expels worms from the intestines.

Antibiotic: Inhibits the growth of bacteria or kills the bacteria.

Anti-diarrheal: Helps stop diarrhea.

Anti-fungal: Inhibits growth or multiplication of, or destroys, fungi.

Anti-inflammatory: Reduces inflammation.

Anti-microbial: Helps destroy or resist pathogenic micro-organisms.

Anti-rheumatic: Eases inflammation and pain in joints and muscles.

Antiseptic: Prevents decay or putrefaction. A substance that inhibits the growth and development of microorganisms without necessarily destroying them.

Anti-spasmodic: Relieves or prevents involuntary muscle spasm or cramps (also see nervines) by strengthening nerves and the nervous system.

Antitussive: Prevents or relieves a cough.

Bitter: A solution of bitter, sometimes aromatic, plant products used as a mild tonic.

Blood Purifier: Agents that clean and remove impurities from the blood, similar to depurative.

Calmative: Herbs that are soothing, sedating, see also nervines.

Cardiac: An herb or substance that stimulates, tones, or restores the heart (Syn: cardiac tonic, cardiant, cordial); improves weak digestion from anxiety, nervousness, or depression.

Cardiac Stimulant: Herbs that promote circulation when there is a weak heart.

Carminative: Herb that helps to prevent gas from forming in the intestines, and also assists in expelling it. Also increases absorption of nutrients, dispels water, mucus, promotes normal peristalsis; relieves spasms and pain; improves weak digestion from anxiety, nervousness, or depression.

Demulcent: Soothes, protects, and relieves the irritation of inflamed mucous membranes and other surfaces (i.e., protects stomach and urinary bladder lining).

Depurative: Tends to purify and cleanse the blood.

Diaphoretic: Promotes perspiration, especially profuse perspiration. Promotes circulation; dispels fever and chills; eliminates surface toxins; relieves muscle tension, aching joints, and inflammatory skin conditions; relieves diarrhea, dysentery, kidneys, liver, urinary, and gall bladder disorders; dispels stones of the kidneys and bladder. Also useful for genitourinary disease (herpes), edema; painful, difficult or burning urination or infections.

Digestive: Herbs that assist the stomach and intestines in normal digestion.

Ergogenic: Used for the purpose of enhancing performance.

Estrogenic: Herbs that promote or produce estrus.

Exhilarant: Herbs that enliven and cheer the mind.

Diuretic: Promotes the production and secretion of urine.

Expectorant: Promotes the thinning and ejection of mucus or exudate from the lungs, bronchi, and trachea; sometimes the meaning is extended to all remedies that quiet a cough.

Hemostatic: Astringent, alterative, stops bleeding, purifies blood.

Hepatic: Promotes the well-being of the liver and increases the secretion of bile.

Hypertensive: Raises blood pressure.

Hypoglycemic: Lowers blood glucose levels.

Hypotensive: Lowers blood pressure.

Immunogenic: Relating to or producing an immune response.

Liniment: Extract of a plant added to either alcohol or vinegar and applied topically to employ the therapeutic benefits.

Lipolytic: Relating to the chemical breakdown of fat.

Mucilaginous: Herbs that have a soothing effect on inflamed mucous membranes.

Mucilant: Herbs that are considered mucilants have mucilage properties which have a soothing and demulcent effect.

Nephritic: Herbs used in healing kidney problems.

Nervine: A substance that calms and soothes the nerves and reduces tension and anxiety.

Nutritive: Nutritive agents nourish the body. Herbs with nutritive properties include kelp, marshmallow, nettle, rose hips and slippery elm.

Peptic: An herb or substance that aids in the digestion of food. (Syn: digestive, eupeptic)

Relaxant: Tends to relax and relieve tension, especially muscular tension.

Resolvent: Promotes the resolving and removing of abnormal growths, such as a tumour.

Resorbent: Aids reabsorption of blood from bruises.

Sedative: Herb that allays excitement, induces relaxation, and is conducive to sleep.

Spasmolytic: Causing arrest of a spasm; antispasmodic.

Stimulant: Herb that increases the activity or efficiency of a system or organ; acts more rapidly than a tonic.

Stomachic: Herbs that give strength and tone to the stomach, stimulate digestion, and improve the appetite.

Tonic (nutritive): Permanently increases the tone of a part of the body, or the entire system by nourishing and increasing weight.

Tonic: Herbs that restore and strengthen the entire system. Produces and restores normal tone. A general tonic would be one that braces up the whole system.

Tonic (rejuvenative): Regenerates cells and tissues; promotes longevity.

Vulnerary: An herb used in treating fresh cuts and wounds, usually used as a poultice. A healing substance.



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