

# Health Care Products and Production Aids

*Permitted Substances List* of the Canadian Standards on Organic Production Systems - CAN/CGSB 32.311 - permit the use of Health Care Products and Production Aids in Table 5.3 under the various categories - "Anti-inflammatories, Biologics (including vaccines), Homeopathic and Biotherapies, Parasiticides and Anti-microbials, Plant oils". The following document "Health Care Products and Production Aids" provides a more complete listing of substances commonly used in organic livestock husbandry, along with some specific recommendations of acceptable practices.

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## Chapter 1 - Substances used in Veterinary Homeopathic Products

(Must be prepared and administered according to acceptable homeopathic pharmacopoeia<sup>1</sup>)

Proper Name	Common Name	Plant Part Used/preparation	Comments/Restrictions
All homeopathic medicines			At concentrations in the products <b>not exceeding 1 in 10,000</b> <sup>2</sup>
<i>Acqua levici</i>		Homeopathic preparation <sup>2</sup> (HP)	
<i>Adonis vernalis</i>	Pheasant' eye, False hellebore	HP	Concentration in products should not exceed one part per 100 <sup>2</sup>
<i>Aesculus hippocastanum</i>	Horse chestnut	HP	Concentration in product should not exceed one in ten <sup>2</sup>
<i>Agnus castus</i>	The Chaste Tree	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Ailanthus altissima</i>	Tree of Heaven	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Allium cepa</i>	Red Onion	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Apocynum cannabinum</i>	Dogbane	HP	Concentration in product should not exceed one part per 100 <b>Oral use only</b> <sup>2</sup>
<i>Arnicae radix</i>	Arnica root	HP	Concentration in product should not exceed one in ten <sup>2</sup>
<i>Artemisia abrotanum</i>	Southernwood	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Atropa belladonna</i>	Belladonna, Deadly nightshade	HP	Concentration in product should not exceed one part per 100 <sup>2</sup>
<i>Bellis perennis</i>	Daisy	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Calendulae officinalis</i>	Common Marigold flower	HP	Concentration should not exceed one in ten <sup>2</sup>
<i>Camphora</i>	From Camphor tree ( <i>Cinnamomum camphora</i> )	HP	Concentration in product should not exceed one part per 100 <sup>2</sup>

<i>Cardiospermum halicacabum</i>	Balloon Vine	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Convallaria majalis</i>	Lily of the valley	HP	Concentration in product should not exceed one part in 1000 <sup>2</sup>
<i>Crataegus</i>	Hawthorn berries	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Echinacea</i>	Purple cone flower	HP	Concentration in product should not exceed one in ten <sup>2</sup> <b>If for topical use:</b> At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Eucalyptus globulus</i>	Eucalyptus	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Euphrasia officinalis</i>	Eyebright	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Ginkgo biloba</i>	Maiden hair tree	HP	Concentration should not exceed one part in 1000 <sup>2</sup>
<i>Hamamelis virginiana</i>	Witch hazel	HP	Concentration should not exceed one in ten <sup>2</sup>
<i>Harpagophytum procumbus</i>	Devil's claw	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Harunga madascariensis</i>	Dragon's blood tree	HP	Concentration should not exceed one part per 1000 only <sup>2</sup>
<i>Hypericum perforatum</i>	St. John's-wort	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Lachnanthes tinctoria</i>	Red root, Spiritweed	HP	Concentration in product should not exceed one part in 1000 <sup>2</sup>
<i>Lobaria pulmonaria</i>	Lungwort	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Okoubaka aubrevillei</i>	Okoubaka	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Panax quinquefolia, Panax ginseng</i>	Ginseng, Five fingers	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Phytolacca americana</i>	American pokeweed	HP	Concentration in product should not exceed one part in 1000 <sup>2</sup>
<i>Prunus laurocerasus</i>	Cherry laurel	HP	Concentration in product should not exceed one part in 1000 <sup>2</sup>

<i>Ruta graveolens</i>	Common rue	HP	Concentration in product should not exceed one part in 1000 <b>Not for use in animals from which milk is produced for human consumption<sup>2</sup></b>
<i>Selenicereus grandiflorus</i>	Night blooming cereus	HP	Concentration in product should not exceed one part per 100 <sup>2</sup>
<i>Serenoa repens</i>	Saw palmetto	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Silybum marianum</i>	Milk thistle	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Solidago virgaurea</i>	Golden rod	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Syzygium cumini</i>	Jamun tree	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Thuja occidentalis</i>	Eastern White cedar	HP	Concentration should not exceed one part per 100 <sup>2</sup>
<i>Turnera diffusa</i>	Damiana	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>
<i>Urginea maritima</i>	Red squill, Sea onion	HP	Concentration in product should not exceed one part per 100 <b>For oral use only<sup>2</sup></b>
<i>Viola sebifera</i>	Red ucuuba	HP	Concentration should not exceed one part in 100 <sup>2</sup>
<i>Viscum album</i>	Mistletoe	HP	At concentrations in product corresponding to the mother tincture or dilutions thereof only <sup>2</sup>

## Chapter 2 - Substances Used in Botanical Veterinary Natural Health Products

Botanicals are generally used Orally in teas, tinctures, or oils.

Proper Name	Common Name	Plant Part Used/preparation	Comments/Restrictions
<i>Achillea millefolium</i>	Yarrow	Dried aerial parts <sup>2</sup>	
<i>Allium sativum</i>	Garlic		Very important organic substance, used orally/topically
<i>Aloe barbadensis, Aloe capensis</i>	Barbados aloe, Cape aloe	Standardized dry extract and preparations thereof <sup>2</sup>	
<i>Aloe barbaderis</i>	Aloe Vera	Juice, gel, or in pellet form.	Used as immune modulator orally 7-14 days, used in uterine infusion in cases of retained placentas.
<i>Anethum graveolens</i>	Dill/ Dill seeds		
<i>Angelica archangelica</i>	Angelica		
<i>Angelica sinensis</i>	Dong quai		
<i>Angelicae radix aetheroleum</i>	Garden angelica	Essential oil of the roots, root powder <sup>2</sup>	
<i>Anisi aetheroleum</i>	Aniseed ( <i>Pimpinella anisum</i> )	Essential oil <sup>2</sup>	
<i>Anisi stellati fructus</i>	Star anise ( <i>Illicium verum</i> )  <b>Not to be confused with Japanese star anise (<i>Illicium anisatum</i>) which is toxic</b>	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Artemisia absinthum</i>	Wormwood		<b>Not for use during lactation</b>
<i>Arctium lappa</i>	Burdock		
<i>Ascophyllum nodosum</i>	Kelp		
<i>Ascophyllum nodosum</i>	Liquid seaweed		
<i>Boldo folium</i>	<i>Peumus boldus</i>	Leaves <sup>2</sup>	
<i>Brassica spp</i>	Mustard oil (seed) <sup>2</sup>		

<i>Calendula officinalis</i>	Calendula		Used topically
<i>Capsici fructus acer</i>	Cayenne pepper	Dried ripe fruits <sup>2</sup>	
<i>Capsicum annum</i>	Cayenne		
<i>Carvi aetheroleum</i>	Caraway	Oil <sup>2</sup>	
<i>Caryophylli aetheroleum</i>	<i>Syzygium aromaticum</i> Clove oil	Essential oil from flower buds <sup>2</sup>	
<i>Cassia</i>	Senna	Oil	
<i>Caulophyllum thalictroides</i>	Caulophyllum		Uterine infusion used only in cases of retained placentas - 6 day withdraw
<i>Chamaemelum nobile</i>	Chamomile		
<i>Cimifugae racemosa rhizoma</i>	Black cohosh	Dried rhizome and roots	<b>Not for use in animals from which milk is produced for human consumption<sup>2</sup></b>
<i>Cinchonae cortex</i>	Chinchona bark	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Cinnamomi cassiae aetheroleum</i>	Cassia	Essential oil <sup>2</sup>	
<i>Cinnamomi cassiae cortex</i>	Stembark	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Cinnamomi ceylanici aetheroleum</i>	Cinnamon , Nees oil	Essential oil <sup>2</sup>	
<i>Cinnamomi ceylanici cortex</i>	Cinnamon bark	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Citri aetheroleum</i>	Lemon peel	Essential oil <sup>2</sup>	
<i>Citronellae aetheroleum</i>	Citronella	Essential oil <sup>2</sup>	
<i>Condurango cortex</i>	Bark of Condurango tree	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Coriandri aetheroleum</i>	Fruits of coriander	Essential oil <sup>2</sup>	
<i>Coriandrum sativum</i>	Coriander		
<i>Cucurbitae peponis semen</i>	Pumpkin seed		
<i>Cuminum cyminum</i>	Cumin		
<i>Curcuma longa</i>	Tumeric		
<i>Cymbopogon winterianus /nardus</i>	Citronella	Essential oil <sup>2</sup>	

<i>Dioscorea villosa</i>	Yam		
<i>Echinacea augustifolia</i>	Echinacea		
<i>Elettaria cardamomum</i>	Cardamon	Extract <sup>2</sup>	
<i>Eucalypta aetheroleum</i>	Eucalyptus	Essential oil or tincture and dilutions thereof <sup>2</sup>	
<i>Eugenia aromatica</i>	Cloves		
<i>Eugenia caryophyllus</i>	Clove oil <sup>2</sup>		
<i>Filipendula ulmaria</i>	Meadowsweet		
<i>Foeniculum vulgare</i>	Fennel	Fennel oil <sup>2</sup> ( <i>Foeniculi aetheroleum</i> )	
<i>Frangulae cortex</i>	Ramnus frangula (dried bark)	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Gentianae radix</i>	Yellow gentian, dried root	Standardized extracts and preparations thereof <sup>2</sup>	
<i>Glycyrrhiza glabra</i>	Licorice		
<i>Hydrastis canadensis</i> L.	Goldenseal	Fard inolien	Topically/orally administered for less than 5 days
<i>Hypericum perforatum</i>	St. John's Wort		
<i>Inula helenium</i>	Elecampagne		
<i>Juglans nigra</i>	Black Walnut Hulls		<b>Not for use during lactation</b>
<i>Juniperi fructus</i>	Juniper berries	Berries <sup>2</sup>	
<i>Lauri folii aetheroleum, Lauri fructus</i>	Bay Laurel	Leaves berries Essential oil <sup>2</sup>	
<i>Lespedeza capitata</i>	Roundheaded Bushclover	Stem, Extract, Tincture, powder, drinking solution and tablets <sup>2</sup>	
<i>Lini oleum</i>	Linseed	Oil <sup>2</sup>	
<i>Majoranae herba</i>	Margoram	Herb <sup>2</sup>	
<i>Marrubium vulgare</i>	Horehound		

<i>Matricaria recutita</i>	German Chamomilla	Dried flower heads and preparations thereof plant <sup>2</sup>	
<i>Medicago sativa</i>	Alfalfa		
<i>Melissae folium</i>	Lemon balm	Dried leaves <sup>2</sup>	
<i>Menthae arvensis aetheroleum</i>	Mint	Oil <sup>2</sup>	
<i>Menthae piperitae aetheroleum</i>	Peppermint	Oil <sup>2</sup>	
<i>Mentha</i>	Menthol	Essential oil Leaves <sup>2</sup>	
<i>Millefolii herba</i>	Yarrow	Dried aerial parts of the flower <sup>2</sup>	
<i>Myristicae aetheroleum</i>	Nutmeg	Essential oil from seeds	For use in newborn animals only <sup>2</sup>
<i>Origanum vulgare</i>	Oregano		Orally/topically
<i>Panax quinquefolius, Panax ginseng</i>	Ginseng	Dried, Standardized extracts and preparations	
<i>Petroselinum crispum</i>	Parsley		
<i>Piceae turiones recentes extractum</i>	Spruce tip extract		Oral use only <sup>2</sup>
<i>Pimento dioica</i>	Allspice		
<i>Quercus alba</i>	Oak bark tea		
<i>Quillaia saponins</i>		Bark extract <sup>2</sup>	
<i>Rhei radix</i>	<i>Rheum palmatum</i> Rhubarb	Peeled and dried root, Standardized extracts and preparations thereof <sup>2</sup>	
<i>Ricini oleum</i>	Castor oil	Oil	For use as excipient <sup>2</sup>
<i>Rosa canina</i>	Rosehips		
<i>Rosmarini aetheroleum, Rosmarini folium</i>	Rosemary	Essential oil <sup>2</sup> Dried leaves <sup>2</sup>	
<i>Salviae folium</i>	Sage	Dried leaves, Oil <sup>2</sup>	
<i>Sambuci flos</i>	Elder flower	Dried flower <sup>2</sup>	
<i>Sambucus nigra</i>	Elderberry		
<i>Serenoa repens</i>	Saw palmetto		

<i>Sinapis nigrae semen</i>	Mustard	Seed <sup>2</sup>	
<i>Taraxacum officinale</i>	Dandelion		
<i>Terebinthinae oleum</i>	Oil of Turpentine	Oxidation products of turpentine oil <sup>2</sup>	<b>Bovine, porcine, ovine, caprine</b>
<i>Thymi aetheroleum</i>	Thyme	Essential oil <sup>2</sup>	
<i>Tiliae flos</i>	Linden	Flowers <sup>2</sup>	
<i>Trifolium pratense</i>	Red Clover		
<i>Trigonella foenum-graecum</i>	Feverfew		
<i>Tussilago farfara</i> L.	Coltsfoot		
<i>Ulmus fulva</i>	Slippery elm		
<i>Urticae herba</i>	Stinging Nettle	Herb <sup>2</sup>	
<i>Verbascum thapsus</i>	Mullein		Expectorant
<i>Viburnum opulus</i>	Viburnum		
<i>Yucca schidigera</i>	Yucca schidigera		
<i>Zingiber officinale</i>	Ginger		

**Charper 3 - Substances Used in Botanical Veterinary Natural Health Products**  
**Topicals - For External Use only**

<b>Proper Name</b>	<b>Common Name</b>	<b>Plant Part Used/preparation</b>	<b>Comments/Restrictions</b>
Activated charcoal	activated charcoal		
Allantoin			For topical use only <sup>2</sup>
<i>Allium sativum</i>	Garlic		
<i>Aloe vera</i>	Aloe vera	Gel and whole leaf extract	For topical use only <sup>2</sup>
Apple cider vinegar	Apple cider vinegar		
<i>Arnica montana (arnicae flos and arnicae planta tota)</i>	Leopard's Bane	Dried flower heads, whole plant, aerial parts	For topical use only <sup>2</sup>
<i>Balsamum peruvianum</i>	Balsam of Peru	Bark exudates, extract from <i>Myroxylonbalsamum</i> tree	For topical use only <sup>2</sup>
Beeswax	beeswax		
Bentonite <sup>2</sup>	Clay		
Betadine			
Buffered Iodine			
<i>Calendula officinalis</i>	Calendula		Used topically
<i>Calendulae flos</i>	Common marigold		For topical use only <sup>2</sup>
Camphor			External use only <sup>2</sup>
Capric caprylic triglyceride			
Carbomer			
<i>Carlinae radix</i>	Carlina root	Roots, tincture or extract	For topical use only <sup>2</sup>
<i>Centellae asiaticae extractum</i>		Leaves and entire plant	For topical use only <sup>2</sup>
<i>Chamaemelum nobile</i>	Chamomile		
Cod liver oil			
Cold pressed plant oils			
Cold pressed rice oil			

<i>Cupressi aetheroleum</i>	<i>Cupressus sempervirens</i> tree	Essential oil or the leaves and twigs	For topical use only <sup>2</sup>
<i>Echinacea purpureae</i>	Purple Cone Flower	Standardized extracts and preparations thereof	For topical use only <sup>2</sup>
Epson salts			
Eucalyptus oil			
<i>Eugenia aromatica</i>	Cloves		
<i>Eugenia caryophyllus</i>	Clove oil <sup>2</sup>		
Extract of <i>Hamamelis Virginiana</i>			
Glycerin			
Grapeseed oil			
<i>Hamamelis virginiana</i>	American Witch hazel	Extracts of bark and leaves	For topical use only <sup>2</sup>
<i>Hippocastani semen</i>	From the <i>Aesculus hippocastanum</i>	Seeds	For topical use only <sup>2</sup>
Honey			
<i>Hyperici oleum</i>	St. John's Wort oil		For topical use only <sup>2</sup>
Jojoba oil			
<i>Lavandulae aetheroleum</i>	Lavender	Essential oil	For topical use only <sup>2</sup>
Lemon, <i>Citrus limonia</i>	Lemon		
<i>Melissa officinalis</i>	Lemon balm		
Magnesium sulfate			
<i>Medicago sativa extractum</i>	Alfalfa	Extract or tincture	For topical use only <sup>2</sup>
<i>Melaleuca alternifolia</i> (Maiden & Betche) Cheel. (at 50% dilution or more)	Tea tree	Oil at 50% dilution or more	For topical use only <sup>2</sup>
<i>Menthe x piperita</i>	Peppermint		
Menthol			
Neem oil			
<i>Origanum vulgare</i>	Oregano		
Pinetar			For feet
<i>Rosemaryinus officinalis</i>	Rosemary		
<i>Ruscus aculeatus</i>	Butcher's Broom		For topical use only <sup>2</sup>
Sodium borate			
Sulfur			External use

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Sunflower oil			
<i>Symphyti radix</i>	Comfrey ( <i>Symphytum officinalis</i> )	Fresh and dried root section	For topical use on intact skin only <sup>2</sup>
<i>Terebinthinae aetheroleum rectificatum</i>	Turpentine oil		For topical use only <sup>2</sup>
<i>Terebinthinae laricina</i>	Larch turpentine		For topical use only <sup>2</sup>
Vitamin A			
Vitamin D			
Vitamin E			
Watercress			
Yogurt			

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**Chapter 4 - Essential Oils Used in Botanical Veterinary Natural Health Products**  
**For External Use only**

<i>Juniperus virginiana</i>	Cedar oil /Cedar wood	
	Cinnamon	
	Citronella	
	Clove	
	Eucalyptus	
	Eugenol	
	Fennel	
	Geraniol	
	Geranium	
	Lavender	
	Lemon	
	Lemon grass	
	Orange	
	Peppermint	
	Rosemary	
	Sage	
	Tea tree oil	50% diluted or more
	Thyme	
	Wintergreen	

## Chapter 5 - Miscellaneous Substances Used in Veterinary Natural Health Products

Proper Name	Common Name	Preparation	Comments/Restrictions
Acetic acid	Vinegar		
Activated charcoal			
Adipic acid <sup>2</sup>			
Alginic acid <sup>2</sup>			
Alpha-lipoic acid <sup>2</sup>			
Aluminum phosphate, -hydroxide, -potassium sulfate, -monostereate, distereate, -tristereate, -hydroxy acetate <sup>2</sup>			
Aluminum silicate <sup>2</sup>	Kaolin		
Ammonium chloride, -hydroxide, -sulphate <sup>2</sup>			
Apple cider vinegar			
Ascorbic acid <sup>2</sup>	Vitamin C		
Bentonite <sup>2</sup>	Clay		
Biotin <sup>2</sup>	Vitamin H		
Boric acid and borates <sup>2</sup>			
Calcium acetate, -alginate, -aspartate, -benzoate, -borogluconate, -carbonate, -chlorure, -citrate, -glucoheptonate, -glucono -glucoheptonate, -glucono lactate, -glutamate, -glycérophosphate, -hydroxyde, -hypophosphite, -maleate, -oxide, -phosphate, -propionate, -silicate, -stereate, -sulphate <sup>2</sup>			
Calcium lignin sulfonate			
Calcium pantothenate			

Cholecalciferol	Vitamin D3 <sup>2</sup>	
Choline <sup>2</sup>		
Citric acid <sup>2</sup>		
Cobalamine <sup>2</sup>	Vitamin B12	
Cobalt carbonate, -dichloride, - gluconate, -oxide, -sulphate, -trioxide <sup>2</sup>		
Colostrum powder (rGH free)		
Copper, copper chloride, -gluconate, - heptanoate, -methionate, -oxide, - sulphate		
Copper polysaccharide complex		
Dextrose		
dl-Alfa Tocopheryl acetate		
Dolomite		
Folic acid, folacin, folate <sup>2</sup>	Vitamin B9	
Glycerin		
Guar gum		
Humic acids and their sodium salts <sup>2</sup>		
Iodine salts (potassium, iodide, sodium iodide, iodophors, iodoform, polyvinylpyrrolidine iodine) <sup>2</sup>		
Iron ammonium citrate, -dextran, - dichloride, -glucoheptonate, -gluconate, - sulfate <sup>2</sup>		
<i>Jecorus oleum</i>		Oil expressed from fresh livers form cod and haddock <sup>2</sup>
Lactic acid <sup>2</sup>		
Lanolin <sup>2</sup>	Wool fat	

Magnesium acetate, -aluminum silicate, -ascorbate, -aspartate, -carbonate, -chloride, -citrate, -gluconate, glutamate, -glycerophosphate, -hydroxide, -hypophosphate, -orotate, -oxide, -phosphate, -stereate, -sulfate, -trisilicate <sup>2</sup>

Magnesium proteinate

Malic acid <sup>2</sup>

Malto dextrin

Manganese carbonate, -chloride, -gluconate, -glycerophosphate, -oxide, -pidolate, -ribonucleate, -sulfate <sup>2</sup>

Mannitol <sup>2</sup>

Menadione <sup>2</sup> Vitamin K3

Menadione sodium bisulphate complex A source of Vitamin K

Menthol <sup>2</sup>

Mono & Di-calcium phosphate

Niacin, Nicotinic acid <sup>2</sup> Vitamin B3

Nickel gluconate, -sulphate.

Pantothenic acid <sup>2</sup> Vitamin B5

Pectin <sup>2</sup>

Pepsin <sup>2</sup>

Potassium, Potassium acetate, -alginate, -carbonate, -chloride, -citrate, -DL-aspartate, -glucuronate, -glycerophosphate, -metabisulphate, -nitrate, -phosphate, -selenate <sup>2</sup>

Pyridoxine <sup>2</sup> Vitamin B6

Riboflavin <sup>2</sup> Vitamin B2

Silicon dioxide <sup>2</sup>

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Sodium acetate, -alginate, -bicarbonate, -  
, -cetostearyl sulphate, -chloride, -  
chlorite, -chromoglycate, -citrate, -  
gluconate, -glycerophosphate, -  
hypophosphite, -lactate, -nitrite, -  
phosphate, -propionate, -selenate, -  
selenite, -stearate, <sup>2</sup>

Sorbic acid <sup>2</sup>

Substances with an E number  
(substances approved for human food  
additives)

**Not** including preservatives listed in part C of the Annex III  
to 95/2/EC

[http://ec.europa.eu/food/fs/sfp/addit\\_flavor/flav11\\_en.pdf](http://ec.europa.eu/food/fs/sfp/addit_flavor/flav11_en.pdf)

Biphenyl, Diphenyl, Orthophenyl phenol, Sodium  
orthophenyl phenol, Nisin, Natamycin, Hexamethylene  
tetramine, Dimethyl dicarbonate, Boric acid, Sodium  
tetraborate (borax), Potassium nitrite, Sodium nitrite,  
Sodium nitrate, Potassium nitrate <sup>2</sup>

Sulfur <sup>2</sup>

Tanninum <sup>2</sup>

Tartaric acid <sup>2</sup>

Thiamine <sup>2</sup>

Vitamin B1

Thiamine mononitrate

Thioctic acid <sup>2</sup>

Alpha lipoic acid

Thymol <sup>2</sup>

Tragacanth powder <sup>2</sup>

Vegetable carbon <sup>2</sup>

Vitamin A <sup>2</sup>

Vitamin A Palmitate

Vitamin A supplement

Vitamin C <sup>2</sup>

Ascorbic acid

Vitamin D3 supplement

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Vitamin E<sup>2</sup>

D-Alpha tocopherol

Vitamin E supplement

Whey products

Yogurt

Zinc acetate, -ascorbate, -aspartate, -  
chloride, -gluconate, -oleate, -oxide, -  
stearate, -sulphate<sup>2</sup>

## Chapter 6 - Probiotics used in Veterinary Natural Health Products

All Probiotics are administered orally

*Bifidobacterium longum*

Brewers dried yeast

Dehydrated brewers yeast

Dried *Aspergillus niger* fermentation extract

Dried *Aspergillus oryzae* fermentation product

Dried *Bacillus subtilis* fermentation extract

Dried bifidobacterium fermentation product

Dried *enterococcus diacetylactis* fermentation product

Dried *saccharomyces cerevisiae* Fermentation solubles

*Enterococcus faecium* fermentation product

*Lactobacillus acidophilus* fermentation product

Lactobacillus fermentation product

*Lactobacillus rhamnosus*

*Lactobacillus casei* fermentation product

*Saccharomyces boulardii*

*Streptococcus faecium* fermentation product

Yeast culture

Yeast primary dehydrated

## Chapter 7 - Intramammary Infusions used in Veterinary Natural Health Productster

**\*We recommend that intramammary treatments are done under the supervision of a veterinary practitioner and have a withdrawal period of 4-5 days**

Aloe Vera

Angelica

Gaultheria

Glycyrrhiza

Mentha

Oil of Oregano

Thymus

Vitamin E

Whey Products

<sup>1</sup> Acceptable homeopathic pharmacopoeia are Homeopathic Pharmacopoeia of the United States (HPUS), the Homöopathische Arzneibuch (HAB), the Pharmacopée française (PhF), European Pharmacopoeia, or the British Homeopathic Pharmacopoeia, as they are amended from time to time. Substances should be prepared in accordance with these pharmacopoeia including requirements pertaining to: medicinal ingredient, maximum over-the-counter or external use concentration, and manufacturing methods.

<sup>2</sup> European Medicines Agency (EMA) EC 2377/90 Annex II (List of substances not subject to maximum residue limits)

## Appendix A

### Substances determined to be an unacceptable health risk for human and/or animal health by Health Canada (with the exception of homeopathic medicines)

<i>Abrus precatorius</i> seed and root	Jequirity, Crab's eye, Rosary pea	Pois rouge, haricot paternoster, liane réglisse
<i>Aconitum napellus</i> L.	Aconite	Aconit napel
<i>Acorus calamus</i>	Calamus, Sweet Flag Root	Acore calamine, Acore odorant, Acore vrai
<i>Adonis vernalis</i> L.	Spring Adonis, Oxeye, Pheasant's eye	Adonis de printemps
<i>Akebia</i> spp.	Chocolate-vine, (Mu tong)	Akébie
<i>Alkanna tinctoria</i> Tausch.	Alkanna, Alkanet	Orcanette des teinturiers
<i>Amanita</i> spp	Death cap	Amanites
<i>Anadenanthera peregrina</i>		Yopo
<i>Anamirta cocculus</i> (L.) Wright & Arn.	Fish Berry	Coque du levant
<i>Anemone pulsatilla</i> L.	Pulsatilla, Pasque flower	Anémone pulsatile
<i>Aplotaxis</i> spp. ( <i>Hemisteptia lyrata</i> , <i>Saussurea</i> spp)		
<i>Apocynum androsaemifolium</i> L.	Spreading dogbane	apocyn à feuilles d'androsème, gobe-mouche
<i>Apocynum cannabinum</i> L.	Indian hemp	Chanvre sauvage
<i>Argyrea nervosa</i>	Hawaiian Baby Wood-rose, Silver-morning-glory	Rose des bois, liane d'argent
<i>Aristolochia</i> spp.		
<i>Arnica montana</i> L. (internal use)	Arnica	Arnica
<i>Artemisia cina</i> O. Berg.	Levant wormseed	Armoise de Judée, Cina
<i>Asarum</i> spp.		Asaret ou gingembre sauvage
<i>Asclepias tuberosa</i> L..	Pleurisy-root	Asclépiade tubéreuse

<i>Atropa belladonna</i> L.	Belladonna	Belladonne
<i>Aucklandia</i> spp.		Costus, Aucklamdia commune
<i>Bacillus cereus</i>		
<i>Bacillus clausii</i>		
<i>Banisteriopsis caapi</i>	Caapi	Aya-huasca ou liane des esprits
<i>Bifidobacterium dentium</i>		
<i>Bragantia</i> spp.		
<i>Brugmansia suaveolens</i> (Humb. & Bonpl. Ex Willd.) Bercht. & J. Presl ou <i>Datura suaveolens</i>	Angel's trumpet	Trompette des anges
<i>Bryonia alba</i> L.	White bryony	Bryone blanche
<i>Bryonia dioica</i> Jacq.	Red bryony	Bryone dioïque
<i>Buxus sempervirens</i> L.	Boxwood	Buis toujours vert ou buis commun
<i>Calamus aromaticus</i>	Calamus, Sweet Flag Root	Acore odorant
<i>Catha edulis</i>	Khat	Khat
<i>Catharanthus roseus</i> (L.) G. Don	Madagascar periwinkle	Pervenche de Madagascar
<i>Cantharis vesicatoria</i>	Spanish Fly	Mouche d'Espagne
<i>Caulophyllum thalictroides</i> (L.) Michx.	Blue cohosh	Caulophylle faux-pigamon
<i>Cinnamomum camphora</i> (L.) J. Presl (internal use)	Camphor	Camphre
<i>Clematis</i> spp.		Clématies
<i>Cocculus</i> spp.		Coque du levant
<i>Colchicum autumnale</i> L.	Autumn crocus	Colchique d'automne
<i>Conium maculatum</i> L.	Hemlock	Grande cigüe
<i>Conocybe</i> spp		Conocybe
<i>Croton tiglium</i> L.	Purging croton	Croton cathartique
<i>Crotalaria</i> spp.		<i>Crotolaria</i> spp
<i>Cynoglossum officinale</i> L.	Hound's-tongue	Langue de chien, cynoglosse
<i>Daphne mezereum</i> L.	Mezereon	Daphné joli-bois

<i>Datura stramonium</i> L.	Jimsonweed	Datura stramoine
<i>Digitalis purpurea</i> L.	Digitalis	Digitale pourpre
<i>Diploclisia</i> spp.		
<i>Dryopteris filix-mas</i> (L.) Schott.	Male fern	Fougère mâle
<i>Duboisia myoporoides</i> R. Br.	Corkwood tree	Boacouillo
<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants, synonyme <i>Chenopodium ambrosioides</i> L.	Epazote	Ambroisie du Mexique
<i>Enterococcus</i> spp		Entérocoques
<i>Ephedra sinica</i> Stapf.	Ephedra	Éphédra
<i>Equisetum arvense</i> L. (for horses)	Horsetail	Prêle des champs
<i>Erythroxylum coca</i>	Coca	Coca
<i>Euonymus atropurpureus</i> Jacq.	Wahoo	Fusain pourpré
<i>Eupatorium cannabinum</i> L.	Hemp-agrimony	Eupatoire à feuilles de chanvre
<i>Gelsemium sempervirens</i> (L.) J.St.-Hil.	Gelsemium	Jasmin de Virginie
<i>Hagenia abyssinica</i> (Bruce) J.F. Gmel.	Kousso	Cousso, Cossoutier
<i>Haemadictyon</i> spp		
<i>Hedeoma pulegioides</i> (L.) Pers.	American pennyroyal	Hédoéma faux pouliot
<i>Hexastylis</i>		
<i>Heliotropium europaeum</i> L.	Heliotrope	Héliotrope d'Europe
<i>Helleborus niger</i> L.	Black helleborus	Hellébore noir
<i>Hyoscyamus niger</i> L.	Henbane	Herbe aux dents
<i>Illicium anisatum</i> L.	Japanese star anise	Anis du Japon
<i>Inula helenium</i>		Grande aunée
<i>Ipomoea burmanni</i> , <i>I. hederacea</i> , <i>I. violacea</i> (tricolour)	Morning Glory	Ipomée de Horsfall
<i>Lophophora</i>		Peyote
<i>Juniperus sabina</i> L.	Savin	Sabine
<i>Lactobacillus plantarum</i>		
<i>Larrea tridentata</i> (Sessé & Moc. Ex DC.) Coville., <i>L. divaricata</i>	Chaparral, Creosote bush	Créosotier, chaparral

<i>Lobelia inflata</i> L.	Lobelia	Tabac indien, lobélie
<i>Mahonia aquifolium</i> (Pursh) Nutt.	Oregon grape, blue barberry	Mahonia à feuilles de houx
<i>Mahonia nervosa</i> (Pursh) Nutt.	Oregon-grape, Oregon barberry	Mahonia à feuilles de houx
<i>Mandragora officinarum</i> L.	Mandrake	Mandragore
<i>Melaleuca alternifolia</i> (Maiden & Betché) Cheel. (acceptable if 50% diluted)	Tea tree	Arbre à thé
<i>Menispermum</i> spp.		Ménisperme
<i>Mentha pulegium</i> L.	European pennyroyal	Menthe pouliot
<i>Mercurialis annua</i> L.	Herb mercury	Mercuriale annuelle
Mu Tong		Mu Tong
<i>Narcissus pseudonarcissus</i> L.	Daffodil	Narcisse jaune
<i>Opuntia cylindrical</i>	Prickly pear cactus	Raquette à crins blancs
<i>Papaver bracteatum</i> , <i>P. somniferum</i>	Iranian poppy, Opium poppy	Pavot à opium
<i>Parascardovia dentocolens</i>		
<i>Pausinysalia yohimba</i>	Yohimbe	Yohimbe
<i>Pediococcus acidilactici</i>		
<i>Petasites</i> spp		Pétasite
<i>Phoradendron leucarpum</i> (Raf.) Reveal & M.C. Johnst.	American mistletoe	Gui de chêne
<i>Physostigma venenosum</i> Balf.	Calabar-bean	Fève de calabar
<i>Phytolacca americana</i> L.	Poke	Raisin d'Amérique
<i>Pilocarpus microphyllus</i> Stapf ex Wardleworth.	Jaborandi	Jaborandi
<i>Piper methysticum</i> G. Forst.	Kava	Kawa-kawa
<i>Piptadenia macrocarpa</i> , <i>P. pergerina</i>		Yopo
<i>Psilocybe</i> spp	Magic mushroom	Psilocybes
<i>Pteridium aquilinum</i>	Bracken	Fougère-aigle commune
<i>Punica granatum</i> L. (roots stem or bark)	Pomegranate (roots, stem or bark)	Grenadier
<i>Ranunculus bulbosus</i> L.	Bulbous buttercup	Renoncule bulbeuse
<i>Rhododendron tomentosum</i> Harmaja. Synonyme <i>Ledum palustre</i>	Marsh-tea	Lédon des maraus, thé du Labrador

<i>Ricinus communis</i> L. (except for castor oil)	Castor	Ricin
<i>Ruta graveolens</i> L.	Rue	Rue officinale
<i>Sanguinaria canadensis</i> L.	Bloodroot	Sanguinaire du Canada
<i>Sassafras albidum</i> (Nutt.) Nees. Synonyme: <i>Sassafras officinale</i>	Sassafras	Sassafras officinal
<i>Saussurea costus</i> (Falc.) Lipsch.	Costus	Coctus
<i>Scardovia inopinata</i>		
<i>Scopolia carniolica</i> Jacq.	Scopolia	Scopolie de Carniole
<i>Senecio aureus</i> L.	Golden ragwort	Séneçon doré
<i>Senecio jacobaea</i> L.	Tansy ragwort	Séneçon de Jacob
<i>Senecio retrorsus</i> DC.	Ragwort	Séneçon
<i>Sinomenium</i> spp.		
<i>Solanum dulcamara</i> L.	Bittersweet	Morelle douce-amère
<i>Sophora secundiflora</i>	Mescal beans	Haricot mescal
<i>Soussurea lappa</i>	Kuth	Coctus
<i>Stephania</i> spp.		
<i>Strophanthus gratus</i> (Wall. & hook.) Baill.	Climbing oleander	Strophanthus glabre du Gabon
<i>Strophanthus kombe</i> Oliv.	Kombe	Strophanthus
<i>Strychnos ignatii</i> P.J. Bergius, Nom connu: <i>Ignatia amara</i>	Ignatius bean	Fève de Saint-Ignace
<i>Strychnos gauthieriana</i>	Hoang nan	Hoang-nan
<i>Strychnos nux-vomica</i> L.	Nux-vomica	Vomiquier
<i>Symphytum asperum</i> Lepech.	Prickly comfrey	Consoude rude
<i>Symphytum officinale</i> L.(usage interne)	Common comfrey	Consoude officinale
<i>Symphytum x uplandicum</i> Nyman.	Russian comfrey	Consoude d'Upland
<i>Tanacetum vulgare</i> L.	Tansy	Barbotine
<i>Teucrium chamaedrys</i> L., <i>T. scordium</i> , <i>T. scorodonia</i> , <i>T. marum</i>	Germander	Germandrée petit-chêne
<i>Thuja occidentalis</i> L.	Thuja	Cèdre blanc
<i>Trichosanthes kirilowii</i> Maxim.	Trichosanthes	Trichosanthes, Gou lou

<i>Toxicodendron pubescens</i> Mill. Synonyme: <i>Rhus toxicodendron</i>	Poison-ivy	Herbe à puce
<i>Veratrum californicum</i> Durand.	California false hellebore	Hellébore, tabac du diable
<i>Veratrum viride</i> Aiton.	American hellebore	Vérâtre vert
<i>Veronicastrum virginicum</i> (L.) Farw.	Culver's root	Véronicastre de Virginie, fausse Véronique de Virginie,
<i>Vinca minor</i> L.	Lesser periwinkle	Petite pervenche
<i>Virola sebifera</i> (external use)		Ucuhuba
<i>Viscum album</i> L.	European mistletoe	Gui des feuillus
<i>Vladimiria souliei</i>		Vladimiria souliei
<i>Zamia integrifolia</i> L.f.	Coontie	Zamia