

Common name	Botanical name of plant source
Fennel, sweet (finocchio, Florence fennel) .....	<i>Foeniculum vulgare</i> Mill. var. <i>duice</i> (DC.) Alex.
Fenugreek .....	<i>Trigonella foenum-graecum</i> L.
Galanga (galangal) .....	<i>Alpina officinarum</i> Hance.
Garlic .....	<i>Allium sativum</i> L.
Geranium .....	<i>Pelargonium</i> spp.
Ginger .....	<i>Zingiber officinale</i> Rosc.
Glycyrrhiza .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Grains of paradise .....	<i>Amomum melegueta</i> Rosc.
Horehound (hoarhound) .....	<i>Marrubium vulgare</i> L.
Horseradish .....	<i>Armoracia lapathifolia</i> Gilib.
Hyssop .....	<i>Hyssopus officinalis</i> L.
Lavender .....	<i>Lavandula officinalis</i> Chaix.
Licorice .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Linden flowers .....	<i>Tilia</i> spp.
Mace .....	<i>Myristica fragrans</i> Houtt.
Marigold, pot .....	<i>Calendula officinalis</i> L.
Marjoram, pot .....	<i>Majorana onites</i> (L.) Benth.
Marjoram, sweet .....	<i>Majorana hortensis</i> Moench.
Mustard, black or brown .....	<i>Brassica nigra</i> (L.) Koch.
Mustard, brown .....	<i>Brassica juncea</i> (L.) Coss.
Mustard, white or yellow .....	<i>Brassica hirta</i> Moench.
Nutmeg .....	<i>Myristica fragrans</i> Houtt.
Oregano (oregano, Mexican oregano, Mexican sage, origan) .....	<i>Lippia</i> spp.
Paprika .....	<i>Capsicum annuum</i> L.
Parsley .....	<i>Petroselinum crispum</i> (Mill.) Mansf.
Pepper, black .....	<i>Piper nigrum</i> L.
Pepper, cayenne .....	<i>Capsicum frutescens</i> L. or <i>Capsicum annuum</i> L.
Pepper, red .....	Do.
Pepper, white .....	<i>Piper nigrum</i> L.
Peppermint .....	<i>Mentha piperita</i> L.
Poppy seed .....	<i>Papaver somniferum</i> L.
Pot marigold .....	<i>Calendula officinalis</i> L.
Pot marjoram .....	<i>Majorana onites</i> (L.) Benth.
Rosemary .....	<i>Rosmarinus officinalis</i> L.
Rue .....	<i>Ruta graveolens</i> L.
Saffron .....	<i>Crocus sativus</i> L.
Sage .....	<i>Salvia officinalis</i> L.
Sage, Greek .....	<i>Salvia triloba</i> L.
Savory, summer .....	<i>Satureja hortensis</i> L. (Satureja).
Savory, winter .....	<i>Satureja montana</i> L. (Satureja).
Sesame .....	<i>Sesamum indicum</i> L.
Spearmint .....	<i>Mentha spicata</i> L.
Star anise .....	<i>Illicium verum</i> Hook. f.
Tarragon .....	<i>Artemisia dracunculus</i> L.
Thyme .....	<i>Thymus vulgaris</i> L.
Thyme, wild or creeping .....	<i>Thymus serpyllum</i> L.
Turmeric .....	<i>Curcuma longa</i> L.
Vanilla .....	<i>Vanilla planifolia</i> Andr. or <i>Vanilla tahitensis</i> J. W. Moore.
Zedoary .....	<i>Curcuma zedoaria</i> Rosc.

**§ 582.20 Essential oils, oleoresins (solvent-free), and natural extractives (including distillates).**

Essential oils, oleoresins (solvent-free), and natural extractives (includ-

ing distillates) that are generally recognized as safe for their intended use, within the meaning of section 409 of the act, are as follows:

Common name	Botanical name of plant source
Alfalfa .....	<i>Medicago sativa</i> L.
Allspice .....	<i>Pimenta officinalis</i> Lindl.
Almond, bitter (free from prussic acid) .....	<i>Prunus amygdalus</i> Batsch, <i>Prunus armeniaca</i> L. or <i>Prunus persica</i> (L.) Batsch.
Ambrette (seed) .....	<i>Hibiscus moschatus</i> Moench.
Angelica root .....	<i>Angelica archangelica</i> L.
Angelica seed .....	Do.
Angelica stem .....	Do.
Angostura (cupsaria bark) .....	<i>Galipea officinalis</i> Hancock.
Anise .....	<i>Pimpinella anisum</i> L.
Asafetida .....	<i>Ferula assa-foetida</i> L. and related spp. of <i>Ferula</i> .
Balm (lemon balm) .....	<i>Melissa officinalis</i> L.

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Common name	Botanical name of plant source
Balsam of Peru .....	<i>Myroxylon pereirae</i> Klotzsch.
Basil .....	<i>Ocimum basilicum</i> L.
Bay leaves .....	<i>Laurus nobilis</i> L.
Bay (myrcia oil) .....	<i>Pimenta racemosa</i> (Mill.) J. W. Moore.
Bergamot (bergamot orange) .....	<i>Citrus aurantium</i> L. subsp. <i>bergamia</i> Wright et Arn.
Bitter almond (free from prussic acid) .....	<i>Prunus amygdalus</i> Batsch, <i>Prunus armeniaca</i> L., or <i>Prunus persica</i> (L.) Batsch. <i>Aniba rosaedora</i> Ducke.
Bois de rose .....	<i>Theobroma cacao</i> L.
Cacao .....	<i>Matricaria chamomilla</i> L.
Camomile (chamomile) flowers, Hungarian .....	<i>Anthemis nobilis</i> L.
Camomile (chamomile) flowers, Roman or English .....	<i>Cananga odorata</i> Hook. f. and Thoms.
Cananga .....	<i>Capsicum frutescens</i> L. and <i>Capsicum annuum</i> L.
Capsicum .....	<i>Carum carvi</i> L.
Caraway .....	<i>Elettaria cardamomum</i> Maton.
Cardamom seed (cardamon) .....	<i>Ceratonia siliqua</i> L.
Carob bean .....	<i>Daucus carota</i> L.
Carrot .....	<i>Croton eluteria</i> Benn.
Cascarilla bark .....	<i>Cinnamomum cassia</i> Blume.
Cassia bark, Chinese .....	<i>Cinnamomum burmanni</i> Blume.
Cassia bark, Padang or Batavia .....	<i>Cinnamomum loureirii</i> Nees.
Cassia bark, Saigon .....	<i>Apium graveolens</i> L.
Celery seed .....	<i>Prunus serotina</i> Ehrh.
Cherry, wild, bark .....	<i>Anthriscus cerefolium</i> (L.) Hoffm.
Chervil .....	<i>Cichorium intybus</i> L.
Chicory .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon bark, Ceylon .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon bark, Chinese .....	<i>Cinnamomum loureirii</i> Nees.
Cinnamon bark, Saigon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon leaf, Ceylon .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon leaf, Chinese .....	<i>Cinnamomum loureirii</i> Nees.
Cinnamon leaf, Saigon .....	<i>Cymbopogon nardus</i> Rendle.
Citronella .....	<i>Citrus</i> spp.
Citrus peels .....	<i>Salvia sclarea</i> L.
Clary (clary sage) .....	<i>Eugenia caryophyllata</i> Thunb.
Clove bud .....	Do.
Clove leaf .....	Do.
Clove stem .....	Trifolium
Clover .....	spp.
Coca (decocainized) .....	<i>Erythroxylum coca</i> Lam. and other spp. of <i>Erythroxylum</i> .
Coffee .....	<i>Coffea</i> spp.
Cola nut .....	<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> .
Coriander .....	<i>Coriandrum sativum</i> L.
Corn silk .....	<i>Zea mays</i> L.
Cumin (cummin) .....	<i>Cuminum cyminum</i> L.
Curacao orange peel (orange, bitter peel) .....	<i>Citrus aurantium</i> L.
Cusparia bark .....	<i>Galipea officinalis</i> Hancock.
Dandelion .....	<i>Taraxacum officinale</i> Weber and <i>T. laevigatum</i> DC.
Dandelion root .....	Do.
Dill .....	<i>Anethum graveolens</i> L.
Dog grass (quackgrass, triticum) .....	<i>Agropyron repens</i> (L.) Beauv.
Elder flowers .....	<i>Sambucus canadensis</i> L. and <i>S. nigra</i> L.
Estragole (esdragol, esdragon, tarragon) .....	<i>Artemisia dracunculus</i> L.
Estragon (tarragon) .....	Do.
Fennel, sweet .....	<i>Foeniculum vulgare</i> Mill.
Fenugreek .....	<i>Trigonella foenum-graecum</i> L.
Galanga (galangal) .....	<i>Alpinia officinarum</i> Hance.
Garlic .....	<i>Allium sativum</i> L.
Geranium .....	<i>Pelargonium</i> spp.
Geranium, East Indian .....	<i>Cymbopogon martinii</i> Stapf.
Geranium, rose .....	<i>Pelargonium graveolens</i> L'Her.
Ginger .....	<i>Zingiber officinale</i> Rosc.
Glycyrrhiza .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Glycyrrhizin, ammoniated .....	Do.
Grapefruit .....	<i>Citrus paradisi</i> Macf.
Guava .....	<i>Psidium</i> spp.
Hickory bark .....	<i>Carya</i> spp.
Horehound (hoarhound) .....	<i>Marrubium vulgare</i> L.
Hops .....	<i>Humulus lupulus</i> L.
Horsemint .....	<i>Monarda punctata</i> L.
Hyssop .....	<i>Hyssopus officinalis</i> L.
Immortelle .....	<i>Helichrysum angustifolium</i> DC.
Jasmine .....	<i>Jasminum officinale</i> L. and other spp. of <i>Jasminum</i> .
Juniper (berries) .....	<i>Juniperus communis</i> L.
Kola nut .....	<i>Cola acuminata</i> Schott and Endl., and other spp. of <i>Cola</i> .

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Common name	Botanical name of plant source
Laurel berries .....	<i>Laurus nobilis</i> L.
Laurel leaves .....	<i>Laurus</i> spp.
Lavender .....	<i>Lavandula officinalis</i> Chaix.
Lavender, spike .....	<i>Lavandula latifolia</i> Vill.
Lavandin .....	Hybrids between <i>Lavandula officinalis</i> Chaix and <i>Lavandula latifolia</i> Vill.
Lemon .....	<i>Citrus limon</i> (L.) Burm. f.
Lemon balm (see balm).	
Lemon grass .....	<i>Cymbopogon citratus</i> DC. and <i>Cymbopogon flexuosus</i> Stapf.
Lemon peel .....	<i>Citrus limon</i> (L.) Burm. f.
Licorice .....	<i>Glycyrrhiza glabra</i> L. and other spp. of <i>Glycyrrhiza</i> .
Lime .....	<i>Citrus aurantifolia</i> Swingle.
Linden flowers .....	<i>Tilia</i> spp.
Locust bean .....	<i>Ceratonia siliqua</i> L.
Lupulin .....	<i>Humulus lupulus</i> L.
Mace .....	<i>Myristica fragrans</i> Houtt.
Malt (extract) .....	<i>Hordeum vulgare</i> L., or other grains.
Mandarin .....	<i>Citrus reticulata</i> Blanco.
Marjoram, sweet .....	<i>Majorana hortensis</i> Moench.
Mate 1 .....	<i>Ilex paraguariensis</i> St. Hil.
Melissa (see balm).	
Menthol .....	<i>Mentha</i> spp.
Methyl acetate .....	Do.
Molasses (extract) .....	<i>Saccharum officinarum</i> L.
Mustard .....	<i>Brassica</i> spp.
Naringin .....	<i>Citrus paradisi</i> Macf.
Neroli, bigarade .....	<i>Citrus aurantium</i> L.
Nutmeg .....	<i>Myristica fragrans</i> Houtt.
Onion .....	<i>Allium cepa</i> L.
Orange, bitter, flowers .....	<i>Citrus aurantium</i> L.
Orange, bitter, peel .....	Do.
Orange leaf .....	<i>Citrus sinensis</i> (L.) Osbeck.
Orange, sweet .....	Do.
Orange, sweet, flowers .....	Do.
Orange, sweet, peel .....	Do.
Origanum .....	<i>Origanum</i> spp.
Palmarosa .....	<i>Cymbopogon martinii</i> Stapf.
Paprika .....	<i>Capsicum annuum</i> L.
Parsley .....	<i>Petroselinum crispum</i> (Mill.) Mansf.
Pepper, black .....	<i>Piper nigrum</i> L.
Pepper, white .....	<i>Piper nigrum</i> L.
Peppermint .....	<i>Mentha piperita</i> L.
Peruvian balsam .....	<i>Myroxylon pereirae</i> Klotsch.
Petitgrain .....	<i>Citrus aurantium</i> L.
Petitgrain lemon .....	<i>Citrus limon</i> (L.) Burm. f.
Petitgrain mandarin or tangerine .....	<i>Citrus reticulata</i> Blanco.
Pimenta .....	<i>Pimenta officinalis</i> Lindl.
Pimenta leaf .....	<i>Pimenta officinalis</i> Lindl.
Pipsissewa leaves .....	<i>Chimaphila umbellata</i> Nutt.
Pomegranate .....	<i>Punica granatum</i> L.
Prickly ash bark .....	<i>Xanthoxylum</i> (or <i>Zanthoxylum</i> ) <i>Americanum</i> Mill. or <i>Xanthoxylum clava-herculis</i> L.
Rose absolute .....	<i>Rosa</i> spp. <i>Rosa alba</i> L., <i>Rosa centifolia</i> L., <i>Rosa damascena</i> Mill., <i>Rosa gallica</i> L., and vars. of these spp.
Rose (otto of roses, attar of roses) .....	Do.
Rose buds .....	Do.
Rose flowers .....	Do.
Rose fruit (hips) .....	Do.
Rose geranium .....	<i>Pelargonium graveolens</i> L'Her.
Rose leaves .....	<i>Rosa</i> spp.
Rosemary .....	<i>Rosmarinus officinalis</i> L.
Rue .....	<i>Ruta graveolens</i> L.
Saffron .....	<i>Crocus sativus</i> L.
Sage .....	<i>Salvia officinalis</i> L.
Sage, Greek .....	<i>Salvia lavandulacea</i> Vahl.
Sage, Spanish .....	<i>Ceratonia siliqua</i> L.
St. John's bread .....	<i>Satureja hortensis</i> L.
Savory, summer .....	<i>Satureja montana</i> L.
Savory, winter .....	<i>Schinus molle</i> L.
Schinus molle .....	<i>Prunus spinosa</i> L.
Sloe berries (blackthorn berries) .....	<i>Mentha spicata</i> L.
Spearmint .....	<i>Lavandula latifolia</i> Vill.
Spike lavender .....	<i>Tamarindus indica</i> L.

**§ 582.30**

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Common name	Botanical name of plant source
Tangerine .....	<i>Citrus reticulata</i> Blanco.
Tannic acid .....	Nutgalls of <i>Quercus infectoria</i> Oliver and related spp. of <i>Quercus</i> . Also in many other plants.
Tarragon .....	<i>Artemisia dracunculus</i> L.
Tea .....	<i>Thea sinensis</i> L.
Thyme .....	<i>Thymus vulgaris</i> L. and <i>Thymus zygis</i> var. <i>gracilis</i> Boiss.
Thyme, white .....	Do.
Thyme, wild or creeping .....	<i>Thymus serpyllum</i> L.
Triticum (see dog grass).	
Tuberose .....	<i>Polianthes tuberosa</i> L.
Turmeric .....	<i>Curcuma longa</i> L.
Vanilla .....	<i>Vanilla planifolia</i> Andr. or <i>Vanilla tahitensis</i> J. W. Moore.
Violet flowers .....	<i>Viola odorata</i> L.
Violet leaves .....	Do.
Violet leaves absolute .....	Do.
Wild cherry bark .....	<i>Prunus serotina</i> Ehrh.
Ylang-ylang .....	<i>Cananga odorata</i> Hook. f. and Thoms.
Zedoary bark .....	<i>Curcuma zedoaria</i> Rosc.

**§ 582.30 Natural substances used in conjunction with spices and other natural seasonings and flavorings.**

Natural substances used in conjunction with spices and other natural

seasonings and flavorings that are generally recognized as safe for their intended use, within the meaning of section 409 of the act, are as follows:

Common name	Botanical name of plant source
Algae, brown (kelp) .....	<i>Laminaria</i> spp. and <i>Nereocystis</i> spp.
Algae, red .....	<i>Porphyra</i> spp. and <i>Rhodymenia palmata</i> (L.) Grev.
Dulse .....	<i>Rhodymenia palmata</i> (L.)

**§ 582.40 Natural extractives (solvent-free) used in conjunction with spices, seasonings, and flavorings.**

Natural extractives (solvent-free) used in conjunction with spices,

seasonings, and flavorings that are generally recognized as safe for their intended use, within the meaning of section 409 of the act, are as follows:

Common name	Botanical name of plant source
Algae, brown .....	<i>Laminaria</i> spp. and <i>Nereocystis</i> spp.
Algae, red .....	<i>Porphyra</i> spp. and <i>Rhodymenia palmata</i> (L.) Grev.
Apricot kernel (persic oil) .....	<i>Prunus armeniaca</i> L.
Dulse .....	<i>Rhodymenia palmata</i> (L.) Grev.
Kelp (see algae, brown).	
Peach kernel (persic oil) .....	<i>Prunus persica</i> Sieb. et Zucc.
Peanut stearine .....	<i>Araucaria hypogaea</i> L.
Persic oil (see apricot kernel and peach kernel).	
Quince seed .....	<i>Cydonia oblonga</i> Miller.

**§ 582.50 Certain other spices, seasonings, essential oils, oleoresins, and natural extracts.**

Certain other spices, seasonings, essential oils, oleoresins, and natural ex-

tracts that are generally recognized as safe for their intended use, within the meaning of section 409 of the act, are as follows:

Common name	Derivation
Ambergris .....	<i>Physeter macrocephalus</i> L.
Castoreum .....	Castor fiber L. and <i>C. canadensis</i> Kuhl.
Civet (zibeth, zibet, zibetum) .....	Civet cats, <i>Viverra civetta</i> Schreber and <i>Viverra zibetha</i> Schreber.
Cognac oil, white and green .....	<i>Ethyl oenanthate</i> , so-called.