

**§ 582.1**

**21 CFR Ch. I (4–1–14 Edition)**

582.7610 Potassium alginate.  
582.7724 Sodium alginate.

AUTHORITY: 21 U.S.C. 321, 342, 348, 371.

SOURCE: 41 FR 38657, Sept. 10, 1976, unless otherwise noted.

**Subpart A—General Provisions**

**§ 582.1 Substances that are generally recognized as safe.**

(a) It is impracticable to list all substances that are generally recognized as safe for their intended use. However, by way of illustration, the Commissioner regards such common food ingredients as salt, pepper, sugar, vinegar, baking powder, and monosodium glutamate as safe for their intended use. The lists in subparts B through H of this part include additional substances that, when used for the purposes indicated, in accordance with good manufacturing or feeding practice, are regarded by the Commissioner as generally recognized as safe for such uses.

(b) For the purposes of this section, good manufacturing or feeding practice shall be defined to include the following restrictions:

(1) The quantity of a substance added to animal food does not exceed the amount reasonably required to accomplish its intended physical, nutritional, or other technical effect in food; and

(2) The quantity of a substance that becomes a component of animal food as a result of its use in the manufacturing, processing, or packaging of food, and which is not intended to accomplish any physical or other technical effect in the food itself, shall be reduced to the extent reasonably possible.

(3) The substance is of appropriate grade and is prepared and handled as a

food ingredient. Upon request the Commissioner will offer an opinion, based on specifications and intended use, as to whether or not a particular grade or lot of the substance is of suitable purity for use in food and would generally be regarded as safe for the purpose intended, by experts qualified to evaluate its safety.

(c) The inclusion of substances in the list of nutrients does not constitute a finding on the part of the Department that the substance is useful as a supplement to the diet for animals.

(d) Substances that are generally recognized as safe for their intended use within the meaning of section 409 of the Act are listed in subparts B through H of this part. When the status of a substance has been reevaluated and affirmed as GRAS or deleted from subparts B through H of this part, an appropriate explanation will be noted, e.g., “affirmed as GRAS,” “food additive regulation,” “interim food additive regulation,” or “prohibited from use in food,” with a reference to the appropriate new regulation. Such notation will apply only to the specific use covered by the review, e.g., direct animal food use and/or indirect animal food use and/or animal feed use and will not affect its status for other uses not specified in the referenced regulation, pending a specific review of such other uses.

**§ 582.10 Spices and other natural seasonings and flavorings.**

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
Alfalfa herb and seed .....	<i>Medicago sativa</i> L.
Allspice .....	<i>Pimenta officinalis</i> Lindl.
Ambrette seed .....	<i>Hibiscus abelmoschus</i> L.
Angelica .....	<i>Angelica archangelica</i> L. or other spp. of <i>Angelica</i> .
Angelica root .....	Do.
Angelica seed .....	Do.
Angostura ( <i>cusparia</i> bark) .....	<i>Galipea officinalis</i> Hancock.
Anise .....	<i>Pimpinella anisum</i> L.
Anise, star .....	<i>Illicium verum</i> Hook. f.
Balm (lemon balm) .....	<i>Melissa officinalis</i> L.
Basil, bush .....	<i>Ocimum minimum</i> L.
Basil, sweet .....	<i>Ocimum basilicum</i> L.
Bay .....	<i>Laurus nobilis</i> L.
Calendula .....	<i>Calendula officinalis</i> L.

Common name	Botanical name of plant source
Camomile (chamomile), English or Roman .....	<i>Anthemis nobilis</i> L.
Camomile (chamomile), German or Hungarian .....	<i>Matricaria chamomilla</i> L.
Capers .....	<i>Capparis spinosa</i> L.
Capsicum .....	<i>Capsicum frutescens</i> L. or <i>Capsicum annuum</i> L.
Caraway .....	<i>Carum carvi</i> L.
Caraway, black (black cummin) .....	<i>Nigella sativa</i> L.
Cardamom (cardamon) .....	<i>Elettaria cardamomum</i> Maton.
Cassia, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cassia, Padang or Batavia .....	<i>Cinnamomum burmanni</i> Blume.
Cassia, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Cayenne pepper .....	<i>Capsicum frutescens</i> L. or <i>Capsicum annuum</i> L.
Celery seed .....	<i>Apium graveolens</i> L.
Chervil .....	<i>Anthriscus cerefolium</i> (L.) Hoffm.
Chives .....	<i>Allium schoenoprasum</i> L.
Cinnamon, Ceylon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Clary (clary sage) .....	<i>Salvia sclarea</i> L.
Clover .....	<i>Trifolium</i> spp.
Cloves .....	<i>Eugenia caryophyllata</i> Thunb.
Coriander .....	<i>Coriandrum sativum</i> L.
Cumin (cummin) .....	<i>Cuminum cyminum</i> L.
Cumin, black (black caraway) .....	<i>Nigella sativa</i> L.
Dill .....	<i>Anethum graveolens</i> L.
Elder flowers .....	<i>Sambucus canadensis</i> L.
Fennel, common .....	<i>Foeniculum vulgare</i> Mill.
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 lappathifolia</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 (oreganum, 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>Satureia hortensis</i> L. (Satureja).
Savory, winter .....	<i>Satureia 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.

§ 582.20

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Common name	Botanical name of plant source
Zedoary .....	<i>Curcuma zedoaria</i> Rosc.

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

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

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

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 (cusparia 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.
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.
Bois de rose .....	<i>Aniba roseodora</i> Ducke.
Cacao .....	<i>Theobroma cacao</i> L.
Camomile (chamomile) flowers, Hungarian .....	<i>Matricaria chamomilla</i> L.
Camomile (chamomile) flowers, Roman or English .....	<i>Anthemis nobilis</i> L.
Cananga .....	<i>Cananga odorata</i> Hook. f. and Thoms.
Capsicum .....	<i>Capsicum frutescens</i> L. and <i>Capsicum annuum</i> L.
Caraway .....	<i>Carum carvi</i> L.
Cardamom seed (cardamon) .....	<i>Elettaria cardamomum</i> Maton.
Carob bean .....	<i>Ceratonia siliqua</i> L.
Carrot .....	<i>Daucus carota</i> L.
Cascarilla bark .....	<i>Croton eluteria</i> Benn.
Cassia bark, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cassia bark, Padang or Batavia .....	<i>Cinnamomum burmanni</i> Blume.
Cassia bark, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Celery seed .....	<i>Apium graveolens</i> L.
Cherry, wild, bark .....	<i>Prunus serotina</i> Ehrh.
Chervil .....	<i>Anthriscus cerefolium</i> (L.) Hoffm.
Chicory .....	<i>Cichorium intybus</i> L.
Cinnamon bark, Ceylon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon bark, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon bark, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Cinnamon leaf, Ceylon .....	<i>Cinnamomum zeylanicum</i> Nees.
Cinnamon leaf, Chinese .....	<i>Cinnamomum cassia</i> Blume.
Cinnamon leaf, Saigon .....	<i>Cinnamomum loureirii</i> Nees.
Citronella .....	<i>Cymbopogon nardus</i> Rendle.
Citrus peels .....	<i>Citrus</i> spp.
Clary (clary sage) .....	<i>Salvia sclarea</i> L.
Clove bud .....	<i>Eugenia caryophyllata</i> Thunb.
Clove leaf .....	Do.
Clove stem .....	Do.
Clover .....	<i>Trifolium</i> 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.