

Bangladesh

Bangladesh Pure Food Ordinance 1959 (Act no 27 of the year 2005)

http://bdlaws.minlaw.gov.bd/print_sections_all.php?id=297

フィリピン

食品添加物規制ガイドライン「Updated List of Food Additives」

<http://www.bfad.gov.ph/oldsite/BC%202006-016.pdf>

食品添加物規制ガイドライン「Regulatory Guidelines Concerning Food Additives, 1984」

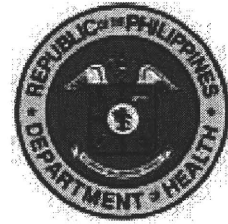
<http://www.bfad.gov.ph/pdf/RegulatoryGuidance/food/ao/AO088-As1984.pdf>

FDA

<http://www.bfad.gov.ph/>



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF HEALTH
BUREAU OF FOOD AND DRUGS
Civic Drive, Filinvest Corporate City
Alabang, Muntinlupa City



18 October 2006

BUREAU CIRCULAR
No. 2006-016

TO: ALL MANUFACTURERS, DISTRIBUTORS, IMPORTERS AND WHOLESALEERS OF PROCESSED FOOD PRODUCTS DISTRIBUTED IN THE PHILIPPINES

SUBJECT: Updated List of Food Additives

BACKGROUND

It is the State's policy, under Article II, Section 15, of the 1987 Constitution to "protect and promote the right to health of the people and instill health consciousness among them."

The 1987 Constitution also provides, in this Article XIII, Section 12, that: "The State shall establish and maintain an effective food and drug regulatory system and undertake appropriate health manpower development and research, responsive to the country's health needs and problems."

Thus, to implement the foregoing policies, the Government, through the Department of Health, was mandated to, in accordance with the provisions of Republic Act No. 3720, as amended by Executive Order No. 175, and Republic Act No. 7394, establish standards and quality measures for foods and adopt measures to ensure pure and safe supply of foods in the country.

The current regulatory guideline on the use of food additives in processed foods sold in the Philippines, Administrative Order No. 88-A s. 1984, needs updating to meet the current and emerging trends in food manufacturing. In view of the above and consistent with the requirements of the "WTO Agreement on Technical Barriers to Trade" on overcoming technical obstacles in world markets, this Bureau Circular aims to update and put together the list of permitted food additives and prescribes guidelines for their use and application in foods distributed in the Philippines whether locally manufactured or imported.

IV. FORMAT OF THE FOOD ADDITIVE LISTING

The food additives herein have been grouped into major functional groups. For each food additive (or food additive group) within each major functional class, their maximum levels of use as well as conditions of use for each are specified (see Table 9).

VI. FLAVORING SUBSTANCES

If food additives are to be used as flavoring substances they should abide by the regulation set by FEMA and or IOFI.

VII. REVIEW AND REVISION OF THE FOOD ADDITIVE LISTING

The food additives, enumerated in the APPENDIX attached to this Circular should be reviewed, amended and/or revised by the Technical Working Group on Food Additives and Contaminants (TWGFAC) on a regular basis, which amendment or revision shall take effect only upon the favorable recommendation by the BFAD.

Any food additive and functional classes adopted by the Codex Alimentarius Commission (CAC) shall be automatically included as an addendum to the Appendix for Food Additives.


PROF. LETICIA-BARBARA B. GUTIERREZ, M.S.
Director IV

ベトナム

一般規定:12/2003/PL-UBTVQH11

http://www.spsvietnam.gov.vn/Lists/VBPQ_VN/Attachments/104/12-2003-PL-UBTVQH11_V.doc

詳細な規定:163/2004/ND-CP

http://www.spsvietnam.gov.vn/Lists/Ti liu/Attachments/311/163-2004-ND-CP_V.doc

使用できる食品添加物:3742-2001- QD-BYT

http://www.spsvietnam.gov.vn/Lists/VBPQ_VN/Attachments/147/3742-2001-%20QD-BYT_VI E.doc

添加物の使用規準:867/1998/QĐ-BYT

http://www.spsvietnam.gov.vn/Lists/VBPQ_VN/Attachments/131/867-1998-QĐ-BYT_V.doc

香港

食品衛生法

<http://www.legislation.gov.hk/eng/home.htm>

Chapter 132、Food and Drugs (Composition and Labeling) Regulations (132W)参照

食品添加物に関するFAQ

http://www.cfs.gov.hk/english/faq/faq_02.html

食品安全センター

<http://www.cfs.gov.hk/eindex.html>

マレーシア

Food Act 1983

<http://www.agc.gov.my/Akta/Vol.%206/Act%20281.pdf>

Food Regulations 1985

http://www.agribdc.gov.my/c/document_library/get_file?p_l_id=10925&folderId=60448&name=D
LFE-1824.pdf

Food Regulations 1985**Part V Food Additive And Nutrient Supplement****Flavouring Substance**

- 2 R 22 (2) For the purposes of these Regulations -
- 1 R 22 (1) In these Regulations, "flavouring substance" means any substance that when added to food, is capable of imparting flav
spices specified in regulations 286 to 333.
- (a) R 22 (2)(a) "natural flavouring substance" means any flavouring substance obtained exclusively by physical processes from vegetat
natural state or processed, for human consumption;
- (b) R 22 (2)(b) "nature-identical flavouring substance" means any flavouring substance chemically isolated from aromatic raw material
are chemically identical to substances present in natural products intended for human consumption, either processed or
- 3 R 22 (3) For the purposes of these Regulations, all flavouring substances, other than the flavouring substances specified in Table
those imported without the written approval of the Director under subregulation (4), shall be permitted flavouring subst
- 4 R 22 (4) No person shall import any flavouring substance for use in food unless such flavouring substance has been certified safe
the relevant authority in the country of its origin or manufacture, and its importation has been approved by the Director
- 5 R 22 (5) Notwithstanding subregulation (3), the addition of flavouring substance to food is prohibited except as otherwise permit
- 6 R 22 (6) Where the addition of flavouring substance to food is permitted by these Regulations, the flavouring substance that ma
include the substances specified in column (1) of Table II to the Eighth Schedule except as otherwise provided in subre
- 7 R 22 (7) The flavouring substances specified in column (1) of the Table II to the Eighth Schedule may be added to the food spec
(2) of the said Table in the proportion not greater than the maximum permitted proportion specified in relation thereto
that where the use of more than one of such flavouring substances is permitted by these Regulations, the amount of ea
expressed as a percentage of the amount permitted singly, the sum of the several percentages does not exceed one hu

No attachments available.

Back

Eighth Schedule (Regulation 2)

**Table I
PROHIBITED FLAVOURING SUBSTANCE**

The following flavouring substances are prohibited to be used in food ;

- Aloin
- Beberine
- Beta-Azarone
- Cade oil
- Calamus oil
- Cocaine
- Coumarin
- Diethylene glycol
- Diethylene glycol monoethyl ether
- Hypericine
- Nitrobenzene
- Pyroligenous acid
- Safrole and isosafrole
- Santonin
- Sasafras oil

Any other flavouring substance that is injurious or likely to be injurious to health

Table II
PERMITTED FLAVOURING SUBSTANCE THAT MAY BE ADDED TO
SPECIFIED FOOD AND THE MAXIMUM PERMITTED
PROPORTION IN EACH CASE

1) Flavouring substance	(2) Food	(3) Maximum permitted proportions in milligram per kilogram (mg/kg)
Agaric acid	Beverage other than alcoholic beverage and shandy	20
	Alcoholic beverage, shandy, food containing mushroom	100
	Other processed foods	20
Total hydrocyanic acid (free and combined)	Beverage other than alcoholic beverages and shandy	1
	Confection other than marzipan	25
	Marzipan	50
	Stone fruit juice	5
	Other processed foods	1
Pulegone	Beverage other than alcoholic beverages, shandy, peppermint or mint flavoured beverages	100
	Peppermint or mint flavoured beverages	250
	Mint confectionery	350
	Other processed foods	25
Quassin	Beverages other than alcoholic beverages and shandy	5
	Pastilles	10
	Alcoholic beverages, shandy	50
	Other processed foods	5
Quinine	Beverages other than alcoholic beverages and shandy	85
	Alcoholic beverages, shandy	300
	Other processed foods	0.1
Thujones	Beverages other than alcoholic beverages and shandy	0.5
	Alcoholic beverages containing more than 25 per cent v/v of alcohol	10
	Alcoholic beverages containing less than 25 per cent v/v of alcohol	5
	Other processed foods	0.5

モンゴル

Law of Mongolia FOOD LAW 7 October 1999

http://www.wipo.int/wipolex/en/text.jsp?file_id=179617

オーストラリア・ニュージーランド

Food Standards Code

<http://www.foodstandards.gov.au/foodstandards/foodstandardscode.cfm>

Standard 1.3.1 Food Additives

http://www.foodstandards.gov.au/_srcfiles/Standard_1_3_1_Additives_Part_1_v115.pdf

http://www.foodstandards.gov.au/_srcfiles/Standard_1_3_1_Additives_Part_2_v121.pdf

http://www.foodstandards.gov.au/_srcfiles/Standard_1_3_1_Additives_Part_3_v113.pdf

Standard 1.4.1 Contaminants and Natural Toxicants

http://www.foodstandards.gov.au/_srcfiles/Standard_1_4_1_Contaminants_v121.pdf

Standard 1.4.4 Prohibited and Restricted Plants and Fungi

http://www.foodstandards.gov.au/_srcfiles/Standard_1_4_4_Prohib_plants_v121.pdf

アメリカ合衆国

The Federal Food, Drug, and Cosmetic Act

<http://www.fda.gov/RegulatoryInformation/Legislation/FederalFoodDrugandCosmeticActFDCAct/default.htm>

Code of Federal Regulations Title 21

<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcr/cfrsearch.cfm>

needed to produce its intended effect but not in excess of 13 parts per million calculated as anhydrous sodium ferrocyanide.

[42 FR 14491, Mar. 15, 1977, as amended at 58 FR 17098, Apr. 1, 1993]

Subpart F—Flavoring Agents and Related Substances

§ 172.510 Natural flavoring substances and natural substances used in conjunction with flavors.

Natural flavoring substances and natural adjuvants may be safely used in food in accordance with the following conditions.

(a) They are used in the minimum quantity required to produce their intended physical or technical effect and in accordance with all the principles of good manufacturing practice.

(b) In the appropriate forms (plant parts, fluid and solid extracts, concentrates, absolutes, oils, gums, balsams, resins, oleoresins, waxes, and distillates) they consist of one or more of the following, used alone or in combination with flavoring substances and adjuvants generally recognized as safe in food, previously sanctioned for such use, or regulated in any section of this part.

Common name	Scientific name	Limitations
Aloe	<i>Aloe pernyi</i> Baker, <i>A. barbadensis</i> Mill., <i>A. ferox</i> Mill., and hybrids of this sp. with <i>A. africana</i> Mill. and <i>A. spicata</i> Baker.	
Althea root and flowers	<i>Althea officinalis</i> L.	
Amyris (West Indian sandalwood)	<i>Amyris balsamifera</i> L.	
Angola weed	<i>Roccella fuciformis</i> Ach	In alcoholic beverages only Do.
Amica flowers	<i>Amica montana</i> L., <i>A. fulgens</i> Pursh, <i>A. sororia</i> Greene, or <i>A. cordifolia</i> Hooker.	
Artemisia (wormwood)	<i>Artemisia</i> spp	Finished food thujone free ¹
Artichoke leaves	<i>Cynara scolymus</i> L	In alcoholic beverages only
Benzoin resin	<i>Styrax benzoin</i> Dryander, <i>S. paralleloneurus</i> Perkins, <i>S. tonkinensis</i> (Pierre) Craib ex Hartwich, or other spp. of the Section <i>Anthostyrax</i> of the genus <i>Styrax</i> .	
Blackberry bark	<i>Rubus</i> , Section <i>Eubatus</i> .	
Boldus (boldo) leaves	<i>Peumus boldus</i> Mol	Do.
Boronia flowers	<i>Boronia megastigma</i> Nees.	
Bryonia root	<i>Bryonia alba</i> L., or <i>B. dioica</i> Jacq	Do.
Buchu leaves	<i>Barosma betulina</i> Bartl. et Wendl., <i>B. crenulata</i> (L.) Hook. or <i>B. serratifolia</i> Willd.	
Buckbean leaves	<i>Maryanthes trifoliata</i> L	Do.
Calepuit	<i>Melaleuca leucadendron</i> L. and other <i>Melaleuca</i> spp.	
Calumba root	<i>Jateorhiza palmata</i> (Lam.) Miers	Do.
Camphor tree	<i>Cinnamomum camphora</i> (L.) Nees et Eberm	Safrole free
Cascara sagrada	<i>Rhamnus purshiana</i> DC.	
Cassia flowers	<i>Acacia farnesiana</i> (L.) Willd.	
Castor oil	<i>Ricinus communis</i> L.	
Catechu, black	<i>Acacia catechu</i> Willd.	
Cedar, white (abovivae), leaves and twigs	<i>Thuja occidentalis</i> L	Finished food thujone free ¹
Centuary	<i>Centaurium umbellatum</i> Gilib	In alcoholic beverages only
Cherry pits	<i>Prunus avium</i> L. or <i>P. cerasus</i> L	Not to exceed 25 p.p.m. prussic acid Do.
Cherry-laurel leaves	<i>Prunus laurocerasus</i> L	
Chestnut leaves	<i>Castanea dentata</i> (Marsh.) Borkh.	
Chirata	<i>Swertia chirata</i> Buch.-Ham	In alcoholic beverages only
Cinchona, red, bark	<i>Cinchona succirubra</i> Pav. or its hybrids	In beverages only; not more than 83 p.p.m. total cinchona alkaloids in finished beverage Do.
Cinchona, yellow, bark	<i>Cinchona ledgeriana</i> Moens, <i>C. calisaya</i> Wedd., or hybrids of these with other spp. of <i>Cinchona</i> .	
Copaiba	South American spp. of <i>Copaifera</i> L.	
Cork, oak	<i>Quercus suber</i> L., or <i>Q. occidentalis</i> F. Gay	In alcoholic beverages only
Costmary	<i>Chrysanthemum balsamita</i> L	Do.

Common name	Scientific name	Limitations
Costus root	<i>Saussurea lappa</i> Clarke.	
Cubeb	<i>Piper cubeba</i> L. f.	
Currant, black, buds and leaves	<i>Ribes nigrum</i> L.	
Damiana leaves	<i>Turnera diffusa</i> Willd.	
Davana	<i>Artemisia pallens</i> Wall.	
Dill, Indian	<i>Anethum sowa</i> Roxb. (<i>Peucedanum graveolens</i> Benth et Hook., <i>Anethum graveolens</i> L.).	
Dittany (fraxinella) roots	<i>Dictamnus albus</i> L.	Do.
Dittany of Crete	<i>Origanum dictamnus</i> L.	
Dragon's blood (dracorubin)	<i>Daemodrope</i> spp.	
Elder tree leaves	<i>Sambucus nigra</i> L.	In alcoholic beverages only; not to exceed 25 p.p.m. prussic acid in the flavor
Elecampane rhizome and roots	<i>Inula helenium</i> L.	In alcoholic beverages only
Elemi	<i>Canarium commune</i> L. or <i>C. luzonicum</i> Miq.	
Erigeron	<i>Erigeron canadensis</i> L.	
Eucalyptus globulus leaves	<i>Eucalyptus globulus</i> Labill.	
Fir ("pine") needles and twigs	<i>Abies sibirica</i> Ledeb., <i>A. alba</i> Mill., <i>A. sachalinensis</i> Masters or <i>A. mayriana</i> Miyabe et Kudo.	
Fir, balsam, needles and twigs	<i>Abies balsamea</i> (L.) Mill.	
Galanga, greater	<i>Alpinia galanga</i> Willd.	Do.
Galbanum	<i>Ferula galbaniflua</i> Boiss. et Buhse and other <i>Ferula</i> spp.	
Gambir (catechu, pale)	<i>Uncaria gambir</i> Roxb.	
Genet flowers	<i>Spartium junceum</i> L.	
Gentian rhizome and roots	<i>Gentiana lutea</i> L.	
Gentian, stemless	<i>Gentiana acaulis</i> L.	Do.
Gemmander, chamaedrya	<i>Teucrium chamaedrys</i> L.	Do.
Gemmander, golden	<i>Teucrium polium</i> L.	Do.
Gualac	<i>Gualacum officinale</i> L., <i>G. santum</i> L., <i>Buinasia samientii</i> Lor.	
Guarana	<i>Paullinia cupana</i> HBK.	
Haw, black, bark	<i>Viburnum prunifolium</i> L.	
Hemlock needles and twigs	<i>Tsuga canadensis</i> (L.) Carr. or <i>T. heterophylla</i> (Raf.) Sarg.	
Hyacinth flowers	<i>Hyacinthus orientalis</i> L.	
Iceland moss	<i>Cetraria islandica</i> Ach.	Do.
Imperatoria	<i>Peucedanum ostruthium</i> (L.) Koch (<i>Imperatoria ostruthium</i> L.).	
Iva	<i>Achillea moschata</i> Jacq.	Do.
Labdanum	<i>Cistus</i> spp.	
Lemon-verbena	<i>Lippia citriodora</i> HBK.	Do.
Linaloe wood	<i>Bursaria delpechiana</i> Polss. and other <i>Bursaria</i> spp.	
Linden leaves	<i>Tilia</i> spp.	Do.
Lovage	<i>Levisticum officinale</i> Koch.	
Lungmoss (lungwort)	<i>Sticta pulmonacea</i> Ach.	
Maldenhalr fern	<i>Adiantum capillus-veneris</i> L.	Do.
Maple, mountain	<i>Acer spicatum</i> Lam.	
Mimosa (black wattle) flowers	<i>Acacia decurrens</i> Willd. var. <i>dealbata</i> .	
Mullein flowers	<i>Verbascum phlomoides</i> L. or <i>V. thapsiforme</i> Schrad	Do.
Myrrh	<i>Commiphora molmol</i> Engl., <i>C. abyssinica</i> (Berg) Engl., or other <i>Commiphora</i> spp.	
Myrtle leaves	<i>Myrtus communis</i> L.	Do.
Oak, English, wood	<i>Quercus robur</i> L.	Do.
Oak, white, chips	<i>Quercus alba</i> L.	
Oak moss	<i>Evernia prunastri</i> (L.) Ach., <i>E. furfuracea</i> (L.) Mann, and other lichens.	Finished food thujone free ¹
Olibanum	<i>Boswellia carteri</i> Birdw. and other <i>Boswellia</i> spp.	
Opopanax (bleabolmyrrh)	<i>Opopanax chironium</i> Koch (true opopanax) of <i>Commiphora erythraea</i> Engl. var. <i>labrescens</i> .	
Oris root	<i>Iris germanica</i> L. (including its variety <i>florentina</i> Dykes) and <i>I. pallida</i> Lam.	
Pansy	<i>Viola tricolor</i> L.	In alcoholic beverages only
Passion flower	<i>Passiflora incarnata</i> L.	
Patchouly	<i>Pogostemon cablin</i> Benth. and <i>P. hayneanus</i> Benth.	
Peach leaves	<i>Prunus persica</i> (L.) Batsch	In alcoholic beverages only; not to exceed 25 p.p.m. prussic acid in the flavor
Pennyroyal, American	<i>Hedeoma pulegioides</i> (L.) Pers.	
Pennyroyal, European	<i>Mentha pulegium</i> L.	

Common name	Scientific name	Limitations
Pine, dwarf, needles and twigs	<i>Pinus mugo</i> Turra var. <i>pumilio</i> (Haenke) Zenari.	
Pine, Scotch, needles and twigs	<i>Pinus sylvestris</i> L.	
Pine, white, bark	<i>Pinus strobus</i> L.	In alcoholic beverages only
Pine, white oil	<i>Pinus palustris</i> Mill., and other <i>Pinus</i> spp.	
Poplar buds	<i>Populus balsamifera</i> L. (<i>P. tacamahacca</i> Mill.), <i>P. canadensis</i> Mill., or <i>P. nigra</i> L.	Do.
Quassia	<i>Picrosma excelsa</i> (Sw.) Planch, or <i>Quassia amara</i> L.	
Quebracho bark	<i>Aspidosperma quebracho-bianco</i> Schiecht, or (<i>Quebrachia lorentzii</i> (Griseb)).	<i>Schinopsis lorentzii</i> (Griseb.) Engl.
Quillaja (soapbark)	<i>Quillaja saponaria</i> Mol.	
Red saunders (red sandalwood)	<i>Pterocarpus san alinus</i> L.	In alcoholic beverages only
Rhatany root	<i>Krameria triandra</i> Ruiz et Pav. or <i>K. argentea</i> Mart.	
Rhubarb, garden root	<i>Rheum rhaponticum</i> L.	Do.
Rhubarb root	<i>Rheum officinale</i> Baill., <i>R. palmatum</i> L., or other spp. (excepting <i>R. rhaponticum</i> L.) or hybrids of <i>Rheum</i> grown in China.	
Roselle	<i>Hibiscus sabdariffa</i> L.	Do.
Rosin (colophony)	<i>Pinus palustris</i> Mill., and other <i>Pinus</i> spp.	Do.
St. Johnswort leaves, flowers, and caulis	<i>Hypericum perforatum</i> L.	Hypericin-free alcohol distillate form only; in alcoholic beverages only
Sandalwood, white (yellow, or East Indian)	<i>Santalum album</i> L.	
Sandarac	<i>Tetraclinis articulata</i> (Vahl), Mast	In alcoholic beverages only
Sarsaparilla	<i>Smilax aristolochiaefolia</i> Mill., (Mexican sarsaparilla), <i>S. regelli</i> Killip et Morton (Honduras sarsaparilla), <i>S. febrifuga</i> Kunth (Ecuadorian sarsaparilla), or undetermined <i>Smilax</i> spp. (Ecuadorian or Central American sarsaparilla).	
Sassafras leaves	<i>Sassafras albidum</i> (Nutt.) Nees	Safrole free
Senna, Alexandria	<i>Cassia acutifolia</i> Delle.	
Serpentaria (Virginia snakeroot)	<i>Aristolochia serpentaria</i> L.	In alcoholic beverages only
Simaruba bark	<i>Simaruba amara</i> Aubl.	Do.
Snakeroot, Canadian (wild ginger)	<i>Asarum canadense</i> L.	
Spruce needles and twigs	<i>Picea glauca</i> (Mill.) B.S.P. or <i>P. mariana</i> (Mill.) B.S.P.	
Storax (styrax)	<i>Liquidambar orientalis</i> Mill. or <i>L. styraciflua</i> L.	
Tagetes (marigold)	<i>Tagetes patula</i> L., <i>T. erecta</i> L., or <i>T. minuta</i> L. (<i>T. glandulifera</i> Schrank).	As oil only
Tansy	<i>Tanacetum vulgare</i> L.	In alcoholic beverages only; finished alcoholic beverage thujone free ¹
Thistle, blessed (holy thistle)	<i>Oniscus benedictus</i> L.	In alcoholic beverages only
<i>Thymus capitatus</i> (Spanish "origanum")	<i>Thymus capitatus</i> Hoffmg. et Link.	
Tolu	<i>Myroxylon balsamum</i> (L.) Harms.	
Turpentine	<i>Pinus palustris</i> Mill. and other <i>Pinus</i> spp. which yield terpene oils exclusively.	
Valerian rhizome and roots	<i>Valeriana officinalis</i> L.	
Veronica	<i>Veronica officinalis</i> L.	Do.
Vervain, European	<i>Verbena officinalis</i> L.	Do.
Vetiver	<i>Vetiveria zizanioides</i> Stapf	Do.
Violet, Swiss	<i>Viola calcarata</i> L.	
Walnut husks (hulls), leaves, and green nuts	<i>Juglans nigra</i> L. or <i>J. regia</i> L.	
Woodruff, sweet	<i>Asperula odorata</i> L.	In alcoholic beverages only
Yarrow	<i>Achillea millefolium</i> L.	In beverages only; finished beverage thujone free ¹
Yerba santa	<i>Eriodictyon californicum</i> (Hook, et Arn.) Torr.	
Yucca, Joshua-tree	<i>Yucca brevifolia</i> Engelm.	
Yucca, Mohave	<i>Yucca schottigera</i> Roez! ex Ortigles (<i>Y. mohavensis</i> Sarg.).	

¹ As determined by using the method (or, in other than alcoholic beverages, a suitable adaptation thereof) in section 9.129 of the "Official Methods of Analysis of the Association of Official Analytical Chemists," 13th Ed. (1980), which is incorporated by reference. Copies may be obtained from the AOAC INTERNATIONAL, 481 North Frederick Ave., suite 500, Gaithersburg, MD 20877, or may be examined at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

[42 FR 14491, Mar. 15, 1977, as amended at 43 FR 14644, Apr. 7, 1978; 49 FR 10104, Mar. 19, 1984; 54 FR 24897, June 12, 1989; 69 FR 24511, May 4, 2004; 72 FR 10357, Mar. 8, 2007]

§ 172.515 Synthetic flavoring substances and adjuvants.

Synthetic flavoring substances and adjuvants may be safely used in food in accordance with the following conditions.

(a) They are used in the minimum quantity required to produce their intended effect, and otherwise in accordance with all the principles of good manufacturing practice.

(b) They consist of one or more of the following, used alone or in combination with flavoring substances and adjuvants generally recognized as safe in food, prior-sanctioned for such use, or regulated by an appropriate section in this part.

Acetal; acetaldehyde diethyl acetal.
 Acetaldehyde phenethyl propyl acetal.
 Acetanilole; 4'-methoxyacetophenone.
 Acetophenone; methyl phenyl ketone.
 Allyl anthranilate.
 Allyl butyrate.
 Allyl cinnamate.
 Allyl cyclohexaneacetate.
 Allyl cyclohexanebutyrate.
 Allyl cyclohexanehexanoate.
 Allyl cyclohexanepropionate.
 Allyl cyclohexanevalerate.
 Allyl disulfide.
 Allyl 2-ethylbutyrate.
 Allyl hexanoate; allyl caproate.
 Allyl α -ionone; 1-(2,6,6-trimethyl-2-cyclohexene-1-yl)-1,6-heptadiene-3-one.
 Allyl isothiocyanate; mustard oil.
 Allyl isovalerate.
 Allyl mercaptan; 2-propene-1-thiol.
 Allyl nonanoate.
 Allyl octanoate.
 Allyl phenoxyacetate.
 Allyl phenylacetate.
 Allyl propionate.
 Allyl sorbate; allyl 2,4-hexadienoate.
 Allyl sulfide.
 Allyl tiglate; allyl *trans*-2-methyl-2-butenate.
 Allyl 10-undecenoate.
 Ammonium isovalerate.
 Ammonium sulfide.
 Amyl alcohol; pentyl alcohol.
 Amyl butyrate.
 α -Amylcinnamaldehyde.
 α -Amylcinnamaldehyde dimethyl acetal.
 α -Amylcinnamyl acetate.
 α -Amylcinnamyl alcohol.
 α -Amylcinnamyl formate.
 α -Amylcinnamyl isovalerate.
 Amyl formate.

Amyl heptanoate.
 Amyl hexanoate.
 Amyl octanoate.
 Anisole; methoxybenzene.
 Anisyl acetate.
 Anisyl alcohol; *p*-methoxybenzyl alcohol.
 Anisyl butyrate.
 Anisyl formate.
 Anisyl phenylacetate.
 Anisyl propionate.
 Beechwood creosote.
 Benzaldehyde dimethyl acetal.
 Benzaldehyde glyceryl acetal; 2-phenyl-*m*-dioxan-5-ol.
 Benzaldehyde propylene glycol acetal; 4-methyl-2-phenyl-*m*-dioxolane.
 Benzenethiol; thiophenol.
 Benzoin; 2-hydroxy-2-phenylacetophenone.
 Benzophenone; diphenylketone.
 Benzyl acetate.
 Benzyl acetoacetate.
 Benzyl alcohol.
 Benzyl benzoate.
 Benzyl butyl ether.
 Benzyl butyrate.
 Benzyl cinnamate.
 Benzyl 2,3-dimethylcrotonate; benzyl methyl tiglate.
 Benzyl disulfide; dibenzyl disulfide.
 Benzyl ethyl ether.
 Benzyl formate.
 3-Benzyl-4-heptanone; benzyl dipropyl ketone.
 Benzyl isobutyrate.
 Benzyl isovalerate.
 Benzyl mercaptan; α -toluenethiol.
 Benzyl methoxyethyl acetal; acetaldehyde benzyl β -methoxyethyl acetal.
 Benzyl phenylacetate.
 Benzyl propionate.
 Benzyl salicylate.
 Birch tar oil.
 Borneol; *d*-camphanol.
 Bornyl acetate.
 Bornyl formate.
 Bornyl isovalerate.
 Bornyl valerate.
 β -Bourbonene; 1,2,3,3a,3b β ,4,5,6,6a β ,6b α -decahydro-1 α -isopropyl-3a $_a$ -methyl-6-methylene-cyclobuta [1,2:3,4] dicyclopentene.
 2-Butanol.
 2-Butanone; methyl ethyl ketone.
 Butter acids.
 Butter esters.
 Butyl acetate.
 Butyl acetoacetate.
 Butyl alcohol; 1-butanol.
 Butyl anthranilate.
 Butyl butyrate.
 Butyl butyryllactate; lactic acid, butyl ester, butyrate.
 α -Butylcinnamaldehyde.
 Butyl cinnamate.

[42 FR 14491, Mar. 15, 1977, as amended at 43 FR 14644, Apr. 7, 1978; 49 FR 10104, Mar. 19, 1984; 54 FR 24897, June 12, 1989; 69 FR 24511, May 4, 2004; 72 FR 10357, Mar. 8, 2007]

§ 172.515 Synthetic flavoring substances and adjuvants.

Synthetic flavoring substances and adjuvants may be safely used in food in accordance with the following conditions.

(a) They are used in the minimum quantity required to produce their intended effect, and otherwise in accordance with all the principles of good manufacturing practice.

(b) They consist of one or more of the following, used alone or in combination with flavoring substances and adjuvants generally recognized as safe in food, prior-sanctioned for such use, or regulated by an appropriate section in this part.

Acetal; acetaldehyde diethyl acetal.
 Acetaldehyde phenethyl propyl acetal.
 Acetanilole; 4'-methoxyacetophenone.
 Acetophenone; methyl phenyl ketone.
 Allyl anthranilate.
 Allyl butyrate.
 Allyl cinnamate.
 Allyl cyclohexaneacetate.
 Allyl cyclohexanebutyrate.
 Allyl cyclohexanehexanoate.
 Allyl cyclohexanepropionate.
 Allyl cyclohexanevalerate.
 Allyl disulfide.
 Allyl 2-ethylbutyrate.
 Allyl hexanoate; allyl caproate.
 Allyl α -ionone; 1-(2,6,6-trimethyl-2-cyclohexene-1-yl)-1,6-heptadiene-3-one.
 Allyl isothiocyanate; mustard oil.
 Allyl isovalerate.
 Allyl mercaptan; 2-propene-1-thiol.
 Allyl nonanoate.
 Allyl octanoate.
 Allyl phenoxyacetate.
 Allyl phenylacetate.
 Allyl propionate.
 Allyl sorbate; allyl 2,4-hexadienoate.
 Allyl sulfide.
 Allyl tiglate; allyl *trans*-2-methyl-2-butenoate.
 Allyl 10-undecenoate.
 Ammonium isovalerate.
 Ammonium sulfide.
 Amyl alcohol; pentyl alcohol.
 Amyl butyrate.
 α -Amylcinnamaldehyde.
 α -Amylcinnamaldehyde dimethyl acetal.
 α -Amylcinnamyl acetate.
 α -Amylcinnamyl alcohol.
 α -Amylcinnamyl formate.
 α -Amylcinnamyl isovalerate.
 Amyl formate.
 Amyl heptanoate.
 Amyl hexanoate.
 Amyl octanoate.
 Anisole; methoxybenzene.
 Anisyl acetate.
 Anisyl alcohol; *p*-methoxybenzyl alcohol.
 Anisyl butyrate.
 Anisyl formate.
 Anisyl phenylacetate.
 Anisyl propionate.
 Beechwood creosote.
 Benzaldehyde dimethyl acetal.
 Benzaldehyde glyceryl acetal; 2-phenyl-*m*-dioxan-5-ol.
 Benzaldehyde propylene glycol acetal; 4-methyl-2-phenyl-*m*-dioxolane.
 Benzenethiol; thiophenol.
 Benzoin; 2-hydroxy-2-phenylacetophenone.
 Benzophenone; diphenylketone.
 Benzyl acetate.
 Benzyl acetoacetate.
 Benzyl alcohol.
 Benzyl benzoate.
 Benzyl butyl ether.
 Benzyl butyrate.
 Benzyl cinnamate.
 Benzyl 2,3-dimethylcrotonate; benzyl methyl tiglate.
 Benzyl disulfide; dibenzyl disulfide.
 Benzyl ethyl ether.
 Benzyl formate.
 3-Benzyl-4-heptanone; benzyl dipropyl ketone.
 Benzyl isobutyrate.
 Benzyl isovalerate.
 Benzyl mercaptan; α -toluenethiol.
 Benzyl methoxyethyl acetal; acetaldehyde benzyl β -methoxyethyl acetal.
 Benzyl phenylacetate.
 Benzyl propionate.
 Benzyl salicylate.
 Birch tar oil.
 Borneol; *d*-camphanol.
 Bornyl acetate.
 Bornyl formate.
 Bornyl isovalerate.
 Bornyl valerate.
 β -Bourbonene; 1,2,3,3a,3b β ,4,5,6,6a β ,6b α -decahydro-1 α -isopropyl-3a,-methyl-6-methylene-cyclobuta [1,2:3,4] dicyclopentene.
 2-Butanol.
 2-Butanone; methyl ethyl ketone.
 Butter acids.
 Butter esters.
 Butyl acetate.
 Butyl acetoacetate.
 Butyl alcohol; 1-butanol.
 Butyl anthranilate.
 Butyl butyrate.
 Butyl butyryllactate; lactic acid, butyl ester, butyrate.
 α -Butylcinnamaldehyde.
 Butyl cinnamate.

- Butyl 2-decenoate.
 Butyl ethyl malonate.
 Butyl formate.
 Butyl heptanoate.
 Butyl hexanoate.
 Butyl *p*-hydroxybenzoate.
 Butyl isobutyrate.
 Butyl isovalerate.
 Butyl lactate.
 Butyl laurate.
 Butyl levulinate.
 Butyl phenylacetate.
 Butyl propionate.
 Butyl stearate.
 Butyl sulfide.
 Butyl 10-undecenoate.
 Butyl valerate.
 Butyraldehyde.
 Cadinene.
 Camphene; 2,2-dimethyl-3-methylene-norbornane.
d-Camphor.
 Carvacrol; 2-*p*-cymenol.
 Carvacryl ethyl ether; 2-ethoxy-*p*-cymene.
 Carveol; *p*-mentha-6,8-dien-2-ol.
 4-Carvomenthenol; 1-*p*-menthen-4-ol; 4-terpinenol.
cis Carvone oxide; 1,6-epoxy-*p*-menth-8-en-2-one.
 Carvyl acetate.
 Carvyl propionate.
 β-Caryophyllene.
 Caryophyllene alcohol.
 Caryophyllene alcohol acetate.
 β-Caryophyllene oxide; 4-12,12-trimethyl-9-methylene-5-oxatricyclo [8.2.0.0^{4,6}] dodecane.
 Cedarwood oil alcohols.
 Cedarwood oil terpenes.
 1,4-Cineole.
 Cinnamaldehyde ethylene glycol acetal.
 Cinnamic acid.
 Cinnamyl acetate.
 Cinnamyl alcohol; 3-phenyl-2-propen-1-ol.
 Cinnamyl benzoate.
 Cinnamyl butyrate.
 Cinnamyl cinnamate.
 Cinnamyl formate.
 Cinnamyl isobutyrate.
 Cinnamyl isovalerate.
 Cinnamyl phenylacetate.
 Cinnamyl propionate.
 Citral diethyl acetal; 3,7-dimethyl-2,6-octadienal diethyl acetal.
 Citral dimethyl acetal; 3,7-dimethyl-2,6-octadienal dimethyl acetal.
 Citral propylene glycol acetal.
 Citronellal; 3,7-dimethyl-6-octenal; rhodinal.
 Citronellol; 3,7-dimethyl-6-octen-1-ol; *d*-citronellol.
 Citronelloxyacetaldehyde.
 Citronellyl acetate.
 Citronellyl butyrate.
 Citronellyl formate.
 Citronellyl isobutyrate.
 Citronellyl phenylacetate.
 Citronellyl propionate.
 Citronellyl valerate.
p-Cresol.
 Cuminaldehyde; cuminal; *p*-isopropyl benzaldehyde.
 Cyclohexaneacetic acid.
 Cyclohexaneethyl acetate.
 Cyclohexyl acetate.
 Cyclohexyl anthranilate.
 Cyclohexyl butyrate.
 Cyclohexyl cinnamate.
 Cyclohexyl formate.
 Cyclohexyl isovalerate.
 Cyclohexyl propionate.
p-Cymene.
 γ-Decalactone; 4-hydroxy-decanoic acid, γ-lactone.
 γ-Decalactone; 5-hydroxy-decanoic acid, δ-lactone.
 Decanal dimethyl acetal.
 1-Decanol; decyl alcohol.
 2-Decenal.
 3-Decen-2-one; heptylidene acetone.
 Decyl actate.
 Decyl butyrate.
 Decyl propionate.
 Dibenzyl ether.
 4,4-Dibutyl-γ-butyrolactone; 4,4-dibutyl-4-hydroxy-butyric acid, γ-lactone.
 Dibutyl sebacate.
 Diethyl malate.
 Diethyl malonate; ethyl malonate.
 Diethyl sebacate.
 Diethyl succinate.
 Diethyl tartrate.
 2,5-Diethyltetrahydrofuran.
 Dihydrocarveol; 8-*p*-menthen-2-ol; 6-methyl-3-isopropenylcyclohexanol.
 Dihydrocarvone.
 Dihydrocarvyl acetate.
m-Dimethoxybenzene.
p-Dimethoxybenzene; dimethyl hydroquinone.
 2,4-Dimethylacetophenone.
 α,α-Dimethylbenzyl isobutyrate; phenyldimethylcarbinyl isobutyrate.
 2,6-Dimethyl-5-heptenal.
 2,6-Dimethyl octanal; isodecylaldehyde.
 3,7-Dimethyl-1-octanol; tetrahydrogeraniol.
 α,α-Dimethylphenethyl acetate; benzylpropyl acetate; benzyl-dimethylcarbinyl acetate.
 α,α-Dimethylphenethyl alcohol; dimethylbenzyl carbinol.
 α,α-Dimethylphenethyl butyrate; benzyl-dimethylcarbinyl butyrate.
 α,α-Dimethylphenethyl formate; benzyl-dimethylcarbinyl formate.
 Dimethyl succinate.
 1,3-Diphenyl-2-propanone; dibenzyl ketone.
 delta-Dodecalactone; 5-hydroxydodecanoic acid, delta-lactone.
 γ-Dodecalactone; 4-hydroxydodecanoic acid γ-lactone.
 2-Dodecenal.
 Estragole.
 ρ-Ethoxybenzaldehyde.
 Ethyl acetoacetate.

Ethyl 2-acetyl-3-phenylpropionate; ethylbenzyl acetoacetate.
 Ethyl acconitate, mixed esters.
 Ethyl acrylate.
 Ethyl *p*-anisate.
 Ethyl anthranilate.
 Ethyl benzoate.
 Ethyl benzoylacetate.
 α -Ethylbenzyl butyrate; α -phenylpropyl butyrate.
 Ethyl brassylate; tridecanedioic acid cyclic ethylene glycol diester; cyclo 1,13-ethylenedioxytridecan-1,13-dione.
 2-Ethylbutyl acetate.
 2-Ethylbutyraldehyde.
 2-Ethylbutyric acid.
 Ethyl cinnamate.
 Ethyl crotonate; *trans*-2-butenic acid ethylester.
 Ethyl cyclohexanepropionate.
 Ethyl decanoate.
 2-Ethylfuran.
 Ethyl 2-furanpropionate.
 4-Ethylguaiacol; 4-ethyl-2-methoxyphenol.
 Ethyl heptanoate.
 2-Ethyl-2-heptenal; 2-ethyl-3-butylacrolein.
 Ethyl hexanoate.
 Ethyl isobutyrate.
 Ethyl isovalerate.
 Ethyl lactate.
 Ethyl laurate.
 Ethyl levulinate.
 Ethyl maltol; 2-ethyl-3-hydroxy-4H-pyran-4-one.
 Ethyl 2-methylbutyrate.
 Ethyl myristate.
 Ethyl nitrite.
 Ethyl nonanoate.
 Ethyl 2-nonynoate; ethyl octyne carbonate.
 Ethyl octanoate.
 Ethyl oleate.
 Ethyl phenylacetate.
 Ethyl 4-phenylbutyrate.
 Ethyl 3-phenylglycidate.
 Ethyl 3-phenylpropionate; ethyl hydrocinnamate.
 Ethyl propionate.
 Ethyl pyruvate.
 Ethyl salicylate.
 Ethyl sorbate; ethyl 2,4-hexadienoate.
 Ethyl tiglate; ethyl *trans*-2-methyl-2-butenate.
 Ethyl undecanoate.
 Ethyl 10-undecenoate.
 Ethyl valerate.
 Eucalyptol; 1,8-epoxy-*p*-menthane; cineole.
 Eugenyl acetate.
 Eugenyl benzoate.
 Eugenyl formate.
 Eugenyl methyl ether; 4-allylveratrole; methyl eugenol.
 Farnesol; 3,7,11-trimethyl-2,6,10-dodecatrien-1-ol.
d-Fenchone; *d*-1,3,3-trimethyl-2-norbornanone.
 Fenchyl alcohol; 1,3,3-trimethyl-2-norbornanol.
 Formic acid
 (2-Furyl)-2-propanone; furyl acetone.
 1-Furyl-2-propanone; furyl acetone.
 Fusel oil, refined (mixed amyl alcohols).
 Geranyl acetoacetate; *trans*-3,7-dimethyl-2,6-octadien-1-yl acetoacetate.
 Geranyl acetone; 6,10-dimethyl-5,9-undecadien-2-one.
 Geranyl benzoate.
 Geranyl butyrate.
 Geranyl formate.
 Geranyl hexanoate.
 Geranyl isobutyrate.
 Geranyl isovalerate.
 Geranyl phenylacetate.
 Geranyl propionate.
 Glucose pentaacetate.
 Guaiacol; μ -methoxyphenol.
 Guaiacyl acetate; μ -methoxyphenyl acetate.
 Guaiacyl phenylacetate.
 Guaiene; 1,4-dimethyl-7-isopropenyl- $\Delta^9,10$ -octahydroazulene.
 Guaiol acetate; 1,4-dimethyl-7-(α -hydroxyisopropyl)- $\Delta^9,10$ -octahydroazulene acetate.
 γ -Heptalactone; 4-hydroxyheptanoic acid, γ -lactone.
 Heptanal; enanthaldehyde.
 Heptanal dimethyl acetal.
 Heptanal 1,2-glyceryl acetal.
 2,3-Heptanedione; acetyl valeryl.
 3-Heptanol.
 2-Heptanone; methyl amyl ketone.
 3-Heptanone; ethyl butyl ketone.
 4-Heptanone; dipropyl ketone.
cis-4-Heptenal; *cis*-4-hepten-1-ol.
 Heptyl acetate.
 Heptyl alcohol; enanthic alcohol.
 Heptyl butyrate.
 Heptyl cinnamate.
 Heptyl formate.
 Heptyl isobutyrate.
 Heptyl octanoate.
 1-Hexadecanol; cetyl alcohol.
 ω -6-Hexadecenlactone; 16-hydroxy- δ -hexadecenoic acid, ω -lactone; ambrettolide.
 γ -Hexalactone; 4-hydroxyhexanoic acid, γ -lactone; tonkalide.
 Hexanal; caproic aldehyde.
 2,3-Hexanedione; acetyl butyryl.
 Hexanoic acid; caproic acid.
 2-Hexenal.
 2-Hexen-1-ol.
 3-Hexen-1-ol; leaf alcohol.
 2-Hexen-1-yl acetate.
 3-Hexenyl isovalerate.
 3-Hexenyl 2-methylbutyrate.
 3-Hexenyl phenylacetate; *cis*-3-hexenyl phenylacetate.
 Hexyl acetate.
 2-Hexyl-4-acetoxytetrahydrofuran.
 Hexyl alcohol.
 Hexyl butyrate.
 α -Hexylcinnamaldehyde.
 Hexyl formate.
 Hexyl hexanoate.
 2-Hexylidene cyclopentanone.