

Survey results

October, 2002

(1) 38 Additives which meet the criteria

Name	Major purposes	JECFA evaluation (year)	JECFA ADI	U.S.	EU
Ammonium alginate	Emulsifier, stabilizer, thickener, gelling agent	O(1992)	Not Specified	O(21CFR184.1133)	O(E403)
Potassium alginate	Emulsifier, stabilizer, thickener, gelling agent	O(1992)	Not Specified	O(21CFR184.1610)	O(E402)
Calcium alginate	Emulsifier, stabilizer, thickener, gelling agent	O(1992)	Not Specified	O(21CFR184.1187)	O(E404)
HPC(Hydroxypropyl cellulose)	Tablet binder, emulsifier, thickener, film former	O(1989)	Not Specified	O(21CFR172.870)	O(E463)
β -apo-8'-carotenal	Colour	O(1974)	0-5mg/kg	O(21CFR73.90)	O(E160e)
β -carotene(from Blakeslea trispora)	Colour, nutrient	O(2001)	0-5mg/kg	O(21CFR73.95,184.1)	O(E160a)
Calcium ascorbate	Preservative	O(1981)	Not Specified	O(21CFR182.3189)	O(E302)
Sodium alminum silicate	Anticaking agent	O(1985)	Not Specified	O(21CFR182.2727)	O(E554)
Carmines	Colour	O(1982)	0-5mg/kg	O(21CFR73.100)	O(E120)
Canthaxanthin	Colour	O(1995)	0-0.03mg/kg	O21CFR(73.75)	O(E161g)
Calcium silicate	Anticaking agent, filtering aid, bodying agent	O(1985)	Not Specified	O21CFR(172.410)	O(E552)
Calcium saccharin	Sweetener	O(1993)	0-5mg/kg	O21CFR(180.37)	O(E954)
Sodium aluminium phosphate, acidic	Raising agent	O(1988)	PTWI 7mg/kg (as Al)	O(21CFR182.1781)	O(E541)
Magnesium hydroxide	Acidity regulator	O(1965)	Not Limited	O(21CFR184.1428(c)	O(E528)
Sodium Stearoyl-2-lactate	Emulsifier, stabilizer	O(1973)	0-20mg/kg	O(21CFR172.849(c9)	O(E481)
Nisin	Preservative	O(1968)	0-33000unit/kg	O(GRN0064)	O(E234)
PVP(Polyvinylpyrrolidone)	Bodying agent, stabilizer, clarifying gent, tableting	O(1986)	0-50mg/kg	O21CFR(173.55)	O(E1201)
Potassium lactate	Flavor enhancer, acid, acidity regulator, preservative, antioxidant synergist	O(1974)	Not Limited	O(21CFR184.1634)	O(E326)
Calcium stearate	Anticaking agent, emulsifier	O(1985)	Not Specified	O(21CFR172.863c)	O(E470a)
Polysorbate20	Emulsifier	O(1973)	0-25mg/kg	O(21CFR172.515b)	O(E432)
Polysorbate60	Emulsifier	O(1973)	0-25mg/kg	O(21CFR172.836c)	O(E435)
Polysorbate65	Emulsifier	O(1973)	0-25mg/kg	O(21CFR172.838c)	O(E436)
Polysorbate80	Emulsifier	O(1973)	0-25mg/kg	O(21CFR172.840c)	O(E433)
Dimagnesium phosphate	Nutrient	O(1982)	MTDI 70mg/kg(as P)	O(21CFR184.1434)	O(E343ii)
Acetylated distarch adipate *	Thickener, binder, stabilizer	O(1982)	Not Specified	O(21CFR172.892)	O(E1422)
Acetylated distarch phosphate *	Emulsifier, thickener, binder	O(1982)	Not Specified	O(21CFR172.892)	O(E1414)
Acetylated oxidized starch *	Emulsifier, thickener, binder, stabilizer	O(2001)	Not Specified	O(21CFR172.892)	O(E1451)
Starch sodium octenylsuccinate *	Stabilizer, thickener, binder	O(1982)	Not Specified	O(21CFR172.892)	O(E1450)
Hydroxypropyl starch *	Emulsifier, thickener, binder	O(1982)	Not Specified	O(21CFR172.892)	O(E1440)
Hydroxypropyl distarch phosphate *	Emulsifier, thickener, binder	O(1982)	Not Specified	O(21CFR172.892)	O(E1442)

Phosphated distarch phosphate *	Stabilizer, thickener, binder	○(1982)	Not Specified	○(21CFR172.892)	○(E1413)
Monostarch phosphate *	Stabilizer, thickener, binder	○(1982)	Not Specified	○(21CFR172.892)	○(E1410)
Distarch phosphate *	Emulsifier, thickener, binder	○(1982)	Not Specified	○(21CFR172.892)	○(E1412)
Oxidized starch *	Emulsifier, thickener, binder	○(1982)	Not Specified	○(21CFR172.892)	○(E1404)
Starch acetate *	Emulsifier, thickener, binder	○(1982)	Not Specified	○(21CFR172.892)	○(E1420)
Nitrous oxide	Propellant, gaseous filling agent	○(1985)	Acceptable as propellant	○(21CFR184.1545)	○(E942)
Natamycin	Fungicidal preservative	○(2001)	0–0.3mg/kg	○(21CFR172.155c)	○(E235)
Isopropanol	Extract solvent, carrier solvent	○(1998)	Acceptable	○(21CFR172.515b)	○(processing aid)

Note) These modified starches with asterisks are categorized as food in Japan.

(2) 17 Additives which do not meet the criteria

dl- α -tocopherol acetate	Nutrient			○21CFR(182.8892)	○(food)
d- α -tocopherol acetate	Nutrient			○21CFR(182.8893)	○(food)
DL-Potassium DL-malate	Acidity regulator, flavor enhancer	○(1979)	Not Specified	×	○(E351)
DL-Calcium DL-malate	Acidity regulator	○(1979)	Not Specified	×	○(E352)
TBHQ	Preservative, antioxidant	○(1997)	0–0.7mg/kg	○21CFR(172.815)	×
Azorbine	Colour	○(1983)	0–4mg/kg	×	○(E122)
Sulfiting agents					
Ammonium salts of phosphatidic acid	Emulsifier	○(1974)	0–30mg/kg	×	○(E442)
Zinc oxide	Nutrient	under evaluation		○(21CFR582.5911)	×
Tocopherol					
Vitamin K1	Nutrient			under confirmation	○(Nutrient)
Trisodium Diphosphate	Stabilizer, emulsifier, nutrient,	○(2001)	MTDI 70mg/kg(as P)	×	○(E450ii)
Polysorbate40	Emulsifier	○(1973)	0–25mg/kg	×	○(E434)
Metatartaric acid	Anti sediment of wine	×		×	○(E353)
Potassium Iodate	Flour treatment agent	○(1965)	Not Recommended to flour treatment	○(21CFR184.1635)	×
Aluminium sulphate	Firming agent, esterification	○(1978)	–	○(21CFR172.892d)	○(E520)
Lycopene	Colour	△(1977)	Decision postpond	×	○(E160d)

Note) Polysorbate 40 is categorized as indirect food additives and not allowed for use in foods in the United States

(3) 8 Additives, listed in the previous survey, for which no information was provided

Calcium acetate	Preservative, stabilizer, acidity re	○(1973)	Not Limited	○(21CFR184.1185)	○(E263)
Calcium aluminium silicate	Anticaking agent	○(1985)	Not Specified	○(21CFR182.2122)	○(E556)
Calcium oxide	Dough conditioner, alkali, yeast food	○(1965)	Not Limited	○(21CRR184.1210)	○(E529)
Calcium sorbate	Preservative	○(1973)	0–25mg/kg	○(21CFR184.3640)	○(E202)
Magnesium silicate(synthetic)	Anticaking agent	○(1982)	Not Specified	○(21CFR184.1847)	○(E553a)
Monoammonium L-glutamate	Flavour enhancer, salt substitute	○(1987)	Not Specified	○(21CFR184.1847)	○(E624)
Potassium sulphate	Salt substitute	○(1985)	Not Specified	○(21CFR184.1643)	○(E515)
Triethyl citrate	Carrier solvent, sequestrant	○(1999)	Acceptable	○(21CFR184.1625)	○(E1505)