

# Food Ingredient Reference Standards

Use USP Reference Standards to confirm the quality of food ingredients using the analytical methods in the *Food Chemicals Codex (FCC)* and its *Supplements*.

FCC Monograph Title	USP Cat. No.	Description	CAS No.
4-(P-HYDROXYPHENYL)-2-BUTANONE	1598813	Raspberry Ketone (100 mg) (4-(4-hydroxyphenyl)-2-butanone)	5471-51-2
ACESULFAME POTASSIUM	1002505	Acesulfame Potassium (200 mg)	55589-62-3
ADIPIC ACID	1012190	Adipic Acid (100 mg)	124-04-9
ALL-RAC-ALPHA-TOCOPHEROL	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
ALL-RAC-ALPHA-TOCOPHERYL ACETATE	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
ALPHA-CYCLODEXTRIN	1154558	Alpha Cyclodextrin (500 mg)	10016-20-3
ANETHOLE	1035005	Anethole (2 mL) (AS)	4180-23-8
ASCORBIC ACID	1043003	Ascorbic Acid (1 g) (Vitamin C)	50-81-7
ASCORBYL PALMITATE	1043105	Ascorbyl Palmitate (2 g)	137-66-6
ASPARTAME	1043706	Aspartame (200 mg)	22839-47-0
	1043728	Aspartame Related Compound A (25 mg) (5-Benzyl-3,6-dioxo-2-piperazineacetic Acid)	5262-10-2
ASPARTAME-ACESULFAME SALT	1043750	Aspartame Acesulfame (200 mg)	106372-55-8
BENZALDEHYDE	1050905	Benzaldehyde (1 mL) (List Chemical)	100-52-7
BENZYL ALCOHOL	1061901	Benzyl Alcohol (500 mg/ampule)	100-51-6
BENZYL BENZOATE	1062008	Benzyl Benzoate (5 g)	120-51-4
BETA-CYCLODEXTRIN	1154558	Alpha Cyclodextrin (500 mg)	10016-20-3
	1154569	Beta Cyclodextrin (250 mg)	7585-39-9
BHA	1083008	2-tert-Butyl-4-hydroxyanisole (200 mg)	88-32-4
	1083100	3-tert-Butyl-4-hydroxyanisole (200 mg)	121-00-6
BIOTIN	1071508	Biotin (200 mg)	58-85-5
BUTYL ACETATE	1082606	Butyl Acetate (1.2 mL/ampule; 3 ampules)	123-86-4
CAFFEINE	1085003	Caffeine (200 mg)	58-08-2
CALCIUM DISODIUM EDTA	1232006	Edetate Calcium Disodium (200 mg)	23411-34-9 (hydrate)
CALCIUM GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
CALCIUM LACTOBIONATE	1086902	Calcium Lactobionate (200 mg)	110638-68-1
CALCIUM PANTOTHENATE	1087009	Calcium Pantothenate (200 mg) (Vitamin B5)	137-08-6
CALCIUM PANTOTHENATE, CALCIUM CHLORIDE DOUBLE SALT	1087009	Calcium Pantothenate (200 mg) (Vitamin B5)	137-08-6
CALCIUM PANTOTHENATE, RACEMIC	1087009	Calcium Pantothenate (200 mg) (Vitamin B5)	137-08-6
CALCIUM PHOSPHATE, DIBASIC	1614002	Sodium Fluoride (1 g)	7681-49-4
CALCIUM PHOSPHATE, MONOBASIC	1614002	Sodium Fluoride (1 g)	7681-49-4
CALCIUM PHOSPHATE, TRIBASIC	1614002	Sodium Fluoride (1 g)	7681-49-4
CHOLINE BITARTRATE	1133536	Choline Bitartrate (200 mg)	87-67-2
CHOLINE CHLORIDE	1133547	Choline Chloride (200 mg)	67-48-1
COPOVIDONE	1148500	Copovidone (100 mg)	25086-89-9
COPPER GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
D-CAMPHOR	1087508	Camphor (1 g)	464-49-3
DEHYDROACETIC ACID	1166309	Dehydroacetic Acid (200 mg)	520-45-6 (keto form)
DEXPANTHENOL	1179504	Dexpanthenol (500 mg)	81-13-0
DIMETHYLPOLYSILOXANE	1546300	Polydimethylsiloxane (500 mg)	9016-00-6
DIOCTYL SODIUM SULFOSUCCINATE	1075203	Bis(2-ethylhexyl)maleate (2 mL)	142-16-5
	1224802	Docusate Sodium (500 mg)	577-11-7
DISODIUM 5'-URIDYLATE	1221000	Disodium Guanylate (350 mg)	5550-12-9 (anhydrous)
	1222002	Disodium Inosinate (500 mg)	4691-65-0
DISODIUM EDTA	1233009	Edetate Disodium (200 mg)	6381-92-6 (dihydrate)

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DISODIUM GUANYLATE	1221000	Disodium Guanylate (350 mg)	5550-12-9 (anhydrous)
DISODIUM INOSINATE	1222002	Disodium Inosinate (500 mg)	4691-65-0
DL-PANTHENOL	1179504	Dexpanthenol (500 mg)	81-13-0
ERYTHRITOL	1241903	Erythritol (200 mg)	149-32-6
	1295607	Glycerin (2 mL)	56-81-5
ETHYL ACETATE	1265402	Ethyl Acetate (1.2 mL/ampule; 3 ampules)	141-78-6
ETHYL FORMATE	1265606	Ethyl Formate (1.2 mL/ampule; 3 ampules)	109-94-4
ETHYL LAUROYL ARGINATE	1042601	Arginine Hydrochloride (125 mg)	1119-34-2
ETHYL MALTOL	1266008	Ethyl Maltol (1 g)	4940-11-8
ETHYL VANILLIN	1267500	Ethyl Vanillin (200 mg)	121-32-4
EUGENOL	1268965	Eugenol (500 mg) (AS)	97-53-0
FOLIC ACID	1286005	Folic Acid (500 mg) (Vitamin M or Vitamin Bc)	59-30-3
	1286027	Folic Acid Related Compound A (50 mg) (Calcium Formyltetrahydrofolate)	1492-18-8
FRUCTOSE	1181302	Dextrose (500 mg)	50-99-7
	1286504	Fructose (125 mg)	57-48-7
FUMARIC ACID	1286708	Fumaric Acid (200 mg)	110-17-8
	1374500	Maleic Acid (300 mg)	110-16-7
GLUCONO DELTA-LACTONE	1550001	Potassium Gluconate (200 mg)	299-27-4
GLYCERIN	1295607	Glycerin (2 mL)	56-81-5
GLYCERYL BEHENATE	1295709	Glyceryl Behenate (200 mg)	18641-57-1
GLYCERYL MONOOLEATE	1295607	Glycerin (2 mL)	56-81-5
	1295742	Glyceryl Monooleate 90% (250 mg)	25496-72-4
	1446000	Monoglycerides (125 mg)	68990-53-4
GLYCERYL MONOSTEARATE	1446000	Monoglycerides (125 mg)	68990-53-4
GLYCERYL PALMITOSTEARATE	1492007	Palmitic Acid (500 mg)	57-10-3
	1621008	Stearic Acid (500 mg)	57-11-4
GLYCINE	1295800	Glycine (200 mg)	56-40-6
HIGH-FRUCTOSE CORN SYRUP	1181302	Dextrose (500 mg)	50-99-7
	1286504	Fructose (125 mg)	57-48-7
	1181302	Dextrose (500 mg)	50-99-7
HYDROGENATED STARCH HYDROLYSATE	1374907	Maltitol (200 mg)	585-88-6
	1617000	Sorbitol (125 mg)	50-70-4
ISOBUTYL ACETATE	1347802	Isobutyl acetate (1.2 mL/ampule; 3 ampules)	110-19-0
ISOMALTULOSE	1286504	Fructose (125 mg)	57-48-7
	1349637	Isomaltulose (5 g)	343336-76-5
	1623637	Sucrose (100 mg)	57-50-1
ISOPROPYL ACETATE	1350104	Isopropyl Acetate (1.2 mL/ampule; 3 ampules)	108-21-4
LACTITOL	1356687	Lactitol (500 mg)	81025-04-9
L-ALANINE	1012509	L-Alanine (200 mg)	56-41-7
L-ARGININE	1042500	L-Arginine (200 mg)	74-79-3
L-ARGININE MONOHYDROCHLORIDE	1042601	Arginine Hydrochloride (125 mg)	1119-34-2
L-ASPARTIC ACID	1043819	Aspartic Acid (100 mg)	56-84-8 [L]
L-CARNITINE	1359903	Levocarnitine (400 mg)	541-15-1
L-CYSTEINE MONOHYDROCHLORIDE	1161509	L-Cysteine Hydrochloride (200 mg)	7048-04-6
L-GLUTAMIC ACID	1294976	Glutamic Acid (200 mg)	56-86-0
L-GLUTAMINE	1294808	Glutamine (100 mg)	56-85-9
L-HISTIDINE	1308505	L-Histidine (200 mg)	71-00-1
L-ISOLEUCINE	1349502	L-Isoleucine (200 mg)	73-32-5
L-LEUCINE	1357001	L-Leucine (200 mg)	61-90-5
L-LYSINE MONOHYDROCHLORIDE	1372005	L-Lysine Hydrochloride (200 mg)	657-27-2
L-METHIONINE	1411504	L-Methionine (200 mg)	63-68-3
L-PHENYLALANINE	1530503	L-Phenylalanine (200 mg)	63-91-2
L-PROLINE	1568506	L-Proline (200 mg)	147-85-3
L-SELENOMETHIONINE	1411504	L-Methionine (200 mg)	63-68-3
	1611955	Selenomethionine (100 mg)	3211-76-5

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L-SERINE	1612506	L-Serine (200 mg)	56-45-1
L-THREONINE	1667202	L-Threonine (200 mg)	72-19-5
L-TRYPTOPHAN	1700501	L-Tryptophan (200 mg)	73-22-3
L-TYROSINE	1705006	L-Tyrosine (500 mg)	60-18-4
LUTEIN	1370804	Lutein (in Corn Oil)(1 mL)	See Composition
L-VALINE	1708503	L-Valine (200 mg)	72-18-4
MAGNESIUM GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
MALIC ACID	1286708	Fumaric Acid (200 mg)	110-17-8
	1374500	Maleic Acid (300 mg)	110-16-7
	1374601	Malic Acid (200 mg)	6915-15-7
MALTITOL	1374907	Maltitol (200 mg)	585-88-6
MALTITOL SYRUP	1374907	Maltitol (200 mg)	585-88-6
	1617000	Sorbitol (125 mg)	50-70-4
MALTOL	1375003	Maltol (4 g)	118-71-8
MANGANESE GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
MANNITOL	1375105	Mannitol (200 mg)	69-65-8
NATAMYCIN	1457505	Natamycin (200 mg)	7681-93-8
NEOTAME	1460204	Neotame (200 mg)	165450-17-9
	1460215	Neotame Related Compound A (15 mg) (N-[N-(3,3-dimethylbutyl)-L-alpha-aspartyl]-L-phenylalanine)	n/f
	1623637	Sucrose (100 mg)	57-50-1
NIACIN	1461003	Niacin (200 mg)	59-67-6
NIACINAMIDE	1462006	Niacinamide (500 mg) (Vitamin B3)	98-92-0
NIACINAMIDE ASCORBATE	1043003	Ascorbic Acid (1 g) (Vitamin C)	50-81-7
	1462006	Niacinamide (500 mg) (Vitamin B3)	98-92-0
OX BILE EXTRACT	1133503	Cholic Acid (2 g) (AS)	81-25-4
POLYVINYL ACETATE	1548032	Polyvinyl Acetate (1 g)	9003-20-7
POLYVINYL ALCOHOL	1006801	Acetone (1.5 mL/ampule; 3 ampules)	67-64-1
	1424051	Methyl Acetate (1.2 mL/ampule; 3 ampules)	79-20-9
	1424109	Methyl Alcohol (3 x 1.5 mL)	67-56-1
	1548065	Polyvinyl Alcohol (100 mg)	9002-89-5
POLYVINYLPIPYRROLIDONE	1150706	Crospovidone (200 mg)	9003-39-8
POTASSIUM GIBBERELLATE	1291005	Gibberellic Acid (200 mg)	77-06-5
POTASSIUM GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
PROPYL ACETATE	1576402	Propyl Acetate (1.2 mL/ampule; 3 ampules)	109-60-4
PROPYLENE GLYCOL	1576708	Propylene Glycol (1 mL)	57-55-6
REBAUDIOSIDE A	1600121	Rebaudioside A (300 mg)	58543-16-1
	1622408	Stevioside (30 mg)	57817-89-7
RIBOFLAVIN	1603006	Riboflavin (500 mg) (Vitamin B2)	83-88-5
RIBOFLAVIN 5'-PHOSPHATE SODIUM	1535700	Phosphated Riboflavin (100 mg)	6184-17-4
	1603006	Riboflavin (500 mg) (Vitamin B2)	83-88-5
RRR-ALPHA-TOCOPHEROL CONCENTRATE	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
RRR-ALPHA-TOCOPHERYL ACETATE	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
RRR-ALPHA-TOCOPHERYL ACETATE CONCENTRATE	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
RRR-ALPHA-TOCOPHERYL ACID SUCCINATE	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
	1667701	Alpha Tocopheryl Acetate (250 mg) (Vitamin E Acetate)	7695-91-2
	1667803	Alpha Tocopheryl Acid Succinate (250 mg) (Vitamin E Succinate)	17407-37-3 (dl-isomer)
RRR-TOCOPHEROLS CONCENTRATE, MIXED	1667600	Alpha Tocopherol (250 mg) (Vitamin E Alcohol)	10191-41-0
SODIUM FUMARATE	1374500	Maleic Acid (300 mg)	110-16-7
SODIUM GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4
SODIUM IRON EDTA	1463950	Nitritotriacetic Acid (50 mg)	139-13-9
	1614239	Sodium Iron EDTA (200 mg)	15708-41-5 (anhydrous)
SODIUM PYROPHOSPHATE	1614002	Sodium Fluoride (1 g)	7681-49-4
SODIUM STEARYL FUMARATE	1614705	Sodium Stearyl Fumarate (200 mg)	4070-80-8
	1622000	Stearyl Alcohol (125 mg)	112-92-5

List is current as of March 1, 2010.

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SORBITAN MONOLAURATE	1352008	Isosorbide (75% solution, 1 g)	652-67-5
	1616008	1,4-Sorbitan (300 mg)	27299-12-3
	1617000	Sorbitol (125 mg)	50-70-4
SORBITAN MONOOLEATE	1352008	Isosorbide (75% solution, 1 g)	652-67-5
	1616008	1,4-Sorbitan (300 mg)	27299-12-3
	1617000	Sorbitol (125 mg)	50-70-4
SORBITAN MONOPALMITATE	1352008	Isosorbide (75% solution, 1 g)	652-67-5
	1616008	1,4-Sorbitan (300 mg)	27299-12-3
	1617000	Sorbitol (125 mg)	50-70-4
SORBITAN MONOSTEARATE	1349626	Isosorbide (75% solution, 1 g)	652-67-5
	1352008	1,4-Sorbitan (300 mg)	27299-12-3
	1616008	Sorbitol (125 mg)	50-70-4
SORBITAN TRISTEARATE	1352008	Isosorbide (75% solution, 1 g)	652-67-5
	1616008	1,4-Sorbitan (300 mg)	27299-12-3
	1617000	Sorbitol (125 mg)	50-70-4
SORBITOL	1375105	Mannitol (200 mg)	69-65-8
	1617000	Sorbitol (125 mg)	50-70-4
SORBITOL SOLUTION	1375105	Mannitol (200 mg)	69-65-8
	1617000	Sorbitol (125 mg)	50-70-4
SUCRALOSE	1623626	Sucralose (400 mg)	56038-13-2
TARTARIC ACID	1643340	Tartaric Acid (1 g) (AS)	87-69-4
THIAMINE HYDROCHLORIDE	1656002	Thiamine Hydrochloride (500 mg) (Vitamin B1 Hydrochloride)	67-03-8
THIAMINE MONONITRATE	1656002	Thiamine Hydrochloride (500 mg) (Vitamin B1 Hydrochloride)	67-03-8
TREHALOSE	1673715	Trehalose (400 mg)	6138-23-4
VITAMIN A	1716002	Vitamin A (10 ampules containing vitamin A acetate in peanut oil)	See Composition
VITAMIN B12	1152009	Cyanocobalamin (1.5 g of mixture with mannitol) (Vitamin B12)	See Composition
	1239005	Ergocalciferol (30 mg/ampule; 5 ampules) (Vitamin D2)	50-14-6
	1241007	Ergosterol (50 mg)	57-87-4
VITAMIN D3	1717504	Vitamin D Assay System Suitability (1.5 g)	See Composition
	1131009	Cholecalciferol (30 mg/ampule; 5 ampules) (Vitamin D3)	67-97-0
	1717504	Vitamin D Assay System Suitability (1.5 g)	See Composition
VITAMIN K	1538006	Phytonadione (500 mg) (Vitamin K1)	84-80-0
WHEY	1286504	Fructose (125 mg)	57-48-7
	1356701	Lactose Monohydrate (500 mg)	5989-81-1
WHEY PROTEIN CONCENTRATE	1286504	Fructose (125 mg)	57-48-7
	1356701	Lactose Monohydrate (500 mg)	5989-81-1
WHEY PROTEIN ISOLATE	1286504	Fructose (125 mg)	57-48-7
	1356701	Lactose Monohydrate (500 mg)	5989-81-1
WHEY, REDUCED LACTOSE	1286504	Fructose (125 mg)	57-48-7
	1356701	Lactose Monohydrate (500 mg)	5989-81-1
XYLITOL	1720600	Xylitol (1 g)	87-99-0
YEAST, DRIED	1286005	Folic Acid (500 mg) (Vitamin M or Vitamin Bc)	59-30-3
ZINC GLUCONATE	1550001	Potassium Gluconate (200 mg)	299-27-4

## Appendices

FCC Monograph Title	USP Cat. No.	Description	CAS No.
Melting Range or Temperature, Appendix IIB	1086006	Caffeine Melting Point Standard (1 g) (Approximately 236 degrees)	58-08-2
	1514008	Phenacetin Melting Point Standard (500 mg) (Approximately 135 degrees)	62-44-2
	1004001	Acetanilide Melting Point Standard (500 mg) (Approximately 114 degrees)	103-84-4
	1711009	Vanillin Melting Point Standard (1 g) (Approximately 82 degrees)	121-33-5
	1633007	Sulfanilamide Melting Point Standard (500 mg) (Approximately 165 degrees)	63-74-1
	1635002	Sulfapyridine Melting Point Standard (1 g) (Approximately 191 degrees)	144-83-2
Glutamic Acid, Appendix IIC	1294976	Glutamic Acid (200 mg)	56-86-0
Enzyme Assays, Appendix V	1071304	Bile Salts (Sodium taurochlorate)(10 g)	145-42-6
	1494057	Pancreatin Amylase and Protease (2 g)	8049-47-6
	1494079	Pancreatin Lipase (2 g)	8049-47-6
	1495005	Papain (1 g)	9001-73-4
	1700002	Trypsin Crystallized (300 mg)	9002-07-7

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