



Food Additives

Library Listing – 519 spectra

This library features condensed phase FT-IR spectra of compounds of interest to the food industry. The included compounds are on the GRAS (Generally Recognized As Safe) list of US government-approved food additives.

The Food Additives Library features 519 condensed phase FT-IR spectra extracted from the Aldrich Condensed Phase and Sigma Biochemical FT-IR libraries. These spectra are complementary to the vapor phase spectra included in the Flavors and Fragrances vapor phase library. The library includes the FEMA (Flavor & Extract Manufacturers Association) number, CAS (Chemical Abstract Service) registry number and the molecular formula.

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
389	(+)-Arabinogalactan; Larch gum	153	1,3,3-Trimethylbicyclo[2.2.1]heptan-2-ol;
152	(-)-1,3,3-Trimethylbicyclo[2.2.1]heptan-2-one; (-)-Fenchone	63	Fenchol; Fenchyl alcohol
67	(1R)-(+)-1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one; (1R)-(+)-Camphor	482	1,3,7-Trimethylxanthine; Caffeine
426	(1R)-(-)-6,6-Dimethylbicyclo[3.1.1]hept-2-ene-1-carboxaldehyde; (1R)-	106	1,3-Dihydroxybenzene; Resorcinol
287	(1S)-(-)-6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane; b-Pinene	109	1,3-Dimethoxybenzene; Resorcinol dimethyl ether
202	(1S,2S,5R)-(+)-2-Isopropyl-5-methylcyclohexanol; (+)-Neomenthol	481	1,3-Diphenyl-2-propanone; 1,3-Diphenylacetone
203	(2S,5R)-(-)-2-Isopropyl-5-methylcyclohexanone; (2S,5R)-(-)-Menthone	107	1,3-Propanedithiol
294	(E)-2-Ethoxy-5-propenylphenol; Propenyl guaethol	455	1,4-Dimethoxybenzene; Hydroquinone dimethyl ether
359	(E)-2-Heptenal	147	1,6-Hexanedithiol
178	(E)-2-Hexen-1-ol	456	1,8-Epoxy-p-menthane; 1,8-Cineole; Eucalyptol
177	(E)-2-Hexenal	289	1,9-Nonanedithiol; 1,9-Dimercaptononane
360	(E)-2-Hexenoic acid	184	1-(3,4-Methylenedioxybenzyl)piperidine; Piperine; N-Piperonylpiperidi
487	(E)-2-Methyl-2-butenic acid; Tiglic acid	206	1-(4-Hydroxyphenyl)-3-butanone; 4'-Hydroxybenzylacetone
372	(E)-2-Nonenal	449	1-(4-Methoxyphenyl)-2-propanone; p-Methoxyphenylacetone
161	(E)-3,7-Dimethyl-2,6-octadien-1-ol; Geraniol	47	1-Butanethiol; Butyl mercaptan
180	(E)-3-Hexen-1-ol	47	1-Butanol; Butyl alcohol
361	(E)-3-Hexenoic acid	94	1-Decanol; Decyl alcohol
23	(E)-4-(1-Propenyl)anisole; (E)-Anethole	193	1-Dodecanol; Lauryl alcohol
277	(E)-4-Phenyl-3-buten-2-one; Benzalacetone	172	1-Heptanol; Heptyl alcohol
9	(E)-Aconitic acid; (E)-1-Propene-1,2,3-tricarboxylic acid	173	1-Hexadecanol; Cetyl alcohol
75	(E)-Cinnamaldehyde; (E)-3-Phenylpropenal	183	1-Hexanol; Hexyl alcohol
358	(E,E)-2,4-Heptadienal	489	1-Hexen-3-ol
435	(E,E)-2,4-Hexadienal; Sorbic aldehyde	474	1-Isopropyl-4-methyl-1,3-cyclohexadiene; p-Mentha-1,3-diene; a-Terpin
371	(E,E)-2,4-Nonadienal	475	1-Isopropyl-4-methyl-1,4-cyclohexadiene; p-Mentha-1,4-diene; g-Terpin
195	(R)-(+)-4-Isopropenyl-1-methyl-1-cyclohexene; Limonene; p-Mentha-1,8-	70	1-Isopropyl-4-methyl-3-cyclohexen-1-ol; 4-Carvomenthol; 4-Terpinenol;
71	(S)-(+)-5-Isopropenyl-2-methyl-2-cyclohexen-1-one; (+)-Carvone; p-Men	367	1-Methylnaphthalene
179	(Z)-2-Hexen-1-ol	255	1-Nonanol; Nonyl alcohol
249	(Z)-3,7-Dimethyl-2,6-octadien-1-ol; Nerol	259	1-Octanol; Octyl alcohol
181	(Z)-3-Hexen-1-ol	263	1-Octen-3-ol
362	(Z)-3-Hexen-1-yl acetate	21	1-Pentanol; Amyl alcohol
265	(Z)-9-Octadecenoic acid; Oleic acid	479	1-Penten-3-ol
274	1,1-Dimethoxy-2-phenylethane; Phenylacetaldehyde dimethyl acetal	423	1-Penten-3-one; Ethyl vinyl ketone
432	1,1-Dimethoxyethane; Acetaldehyde dimethyl acetal	377	1-Phenyl-1,2-propanedione; Methyl phenyl glyoxal
444	1,2-Cyclohexanedione; 2-Hydroxy-2-cyclohexen-1-one	279	1-Phenyl-1-propanol
150	1,2-Dimethoxy-4-(1-propenyl)benzene; Isoeugenyl methyl ether	306	1-Phenyl-2-pentanol; 1-Benzyl-1-butanol; a-Propylphenethyl alcohol
451	1,2-Ethanedithiol	458	1-Propanethiol; Propyl mercaptan
302	1,2-Propanediol; Propylene glycol	299	1-Propanol; Propyl alcohol
457	1,2-Propanedithiol	341	1-Undecanol; 1-Hendecanol
		340	10-Undecenal; 10-Hendecenal; Undecylenic aldehyde
		385	10-Undecenoic acid; 10-Hendecenoic acid; Undecylenic acid
		499	2',4'-Dihydroxyacetophenone
		500	2',5'-Dihydroxyacetophenone

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
501	2',6'-Dihydroxyacetophenone	437	2-Methoxy-3-(1-methylpropyl)pyrazine;
233	2'-Acetonaphthone; 2-Acetylnaphthalene		2-(2-Butyl)-3-methoxypyrazine
470	2'-Hydroxyacetophenone; o-Acetylphenol	149	2-Methoxy-4-(1-propenyl)phenol;
448	2,2,6-Trimethylcyclohexanone		Isoeugenol
66	2,2-Dimethyl-3-methylenebicyclo[2.2.1]heptane;	166	2-Methoxyphenol; Guaiacol
	Camphene	407	2-Methyl-1-butanethiol
380	2,3,5,6-Tetramethylpyrazine	48	2-Methyl-1-propanol; Isobutyl alcohol
383	2,3,5-Trimethylpyrazine	494	2-Methyl-4-phenyl-2-butanol; 1,1-Dimethyl-3-phenyl-1-propanol; Benzyl
96	2,3-Butanedione; Diacetyl	210	2-Methylanisole; 2-Methoxytoluene
393	2,3-Dimethylpyrazine	332	2-Methylbenzaldehyde; o-Tolualdehyde
175	2,3-Hexanedione	215	2-Methylbutanal; 2-Methylbutyraldehyde
268	2,3-Pentanedione	219	2-Methylbutyric acid
433	2,4-Dimethylbenzaldehyde	429	2-Methylpentanal; 2-Methylvaleraldehyde
484	2,5-Dimethylphenol; 2,5-Xylenol		
394	2,5-Dimethylpyrazine	450	2-Methylphenol; o-Cresol
286	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene; a-Pinene	59	2-Methylpropanal; Isobutyraldehyde
353	2,6-Dimethoxyphenol; Syringol	61	2-Methylpropanoic acid; Isobutyric acid
465	2,6-Dimethyl-4-heptanone; Diisobutyl ketone	52	2-Methylpropyl formate; Isobutyl formate
386	2,6-Dimethylphenol; 2,6-Xylenol	408	2-Methylpyrazine
395	2,6-Dimethylpyrazine	243	2-Methylundecanal; 2-Methylhendecanal
466	2,6-Dimethylpyridine; 2,6-Lutidine	410	2-Nonanol
381	2-(Methyl)thiophenol; o-Thiocresol; o-Toluenethiol	253	2-Nonanone
364	2-Acetyl-1-methylpyrrole	260	2-Octanol
357	2-Acetylfuran	261	2-Octanone
387	2-Acetylpyridine	514	2-Oxobutanoic acid; 2-Ketobutyric acid
368	2-Acetylpyrrole	411	2-Pentanol
45	2-Butanone	269	2-Pentanone
355	2-Ethyl-1-hexanol	237	2-Phenyl-1-propanol; Hydratropyl alcohol
123	2-Ethylbutyraldehyde; 2-Ethylbutanal	271	2-Phenylethanol; Phenethyl alcohol
126	2-Ethylbutyric acid	374	2-Phenylethylamine; Phenethylamine
506	2-Ethylfuran	281	2-Phenylpropionaldehyde; Hydratropaldehyde
397	2-Ethylpyrazine	285	2-Phenylpropyl 2-methylpropanoate; Hydratropyl isobutyrate
156	2-Furaldehyde; Furfural	284	2-Phenylpropyl butyrate; Hydratropyl butyrate
400	2-Heptanol	300	2-Propanol; Isopropyl alcohol
168	2-Heptanone	459	2-Propylphenol
80	2-Hydroxy-1,2,3-propanetricarboxylic acid; Citric acid	339	2-Undecanone; 2-Hendecanone
317	2-Hydroxybenzaldehyde; Salicylaldehyde	502	3',5'-Dihydroxyacetophenone
352	2-Isobutyl-3-methoxypyrazine; 2-Methoxy-3-(2-methylpropyl)pyrazine	105	3,4-Dihydro-2H-1-benzopyran-2-one; Dihydrocoumarin
307	2-Isopropenyl-5-methylcyclohexanol; Isopulegol; p-Menth-8-en-3-ol	348	3,4-Dimethoxybenzaldehyde; Veratraldehyde
309	2-Isopropenyl-5-methylcyclohexyl acetate; Isopulegyl acetate	354	3,4-Dimethoxystyrene
417	2-Isopropyl-3-methoxypyrazine	485	3,4-Dimethylphenol; 3,4-Xylenol
201	2-Isopropyl-5-methylcyclohexanol; Menthol	290	3,4-Methylenedioxybenzaldehyde; Piperonal
204	2-Isopropyl-5-methylcyclohexyl acetate; Menthyl acetate	291	3,4-Methylenedioxybenzyl 2-methylpropanoate; Piperonyl isobutyrate
331	2-Isopropyl-5-methylphenol; Thymol	471	3,5,5-Trimethyl-2-cyclohexen-1-one; Isophorone
308	2-Isopropylidene-5-methylcyclohexanone; Pulegone; p-Menth-4(8)-en-3-o	250	3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol; Nerolidol
445	2-Isopropylphenol; o-Cumenol	151	3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol; Farnesol
363	2-Mercaptopropionic acid; Thiolactic acid	196	3,7-Dimethyl-1,6-octadien-3-ol; Linalool

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483	3,7-Dimethyl-1H-purine-2(3H),6(7H)-dione; 3,7-Dimethylxanthine; Theob	497	4-Allyl-2,6-dimethoxyphenol; 6-Methoxyeugenol; 4-Allylsyringol
79	3,7-Dimethyl-2,6-octadienal; Citral; Geranial + Neral	148	4-Allyl-2-methoxyphenol; Eugenol
82	3,7-Dimethyl-6-octen-1-ol; (b)-Citronellol	113	4-Allylanisole; Estragole; 1-Methoxy-4-(2-propen-1-yl)benzene; Chavic
81	3,7-Dimethyl-6-octenal; Citronellal	114	4-Ethoxybenzaldehyde
160	3-(2-Furyl)-2-propenal; 3-(2-Furyl)acrolein	510	4-Ethoxyphenol; Hydroquinone monoethyl ether
242	3-(Methylthio)propanal; Methional	356	4-Ethylphenol
461	3-Acetyl-2,5-dimethylthiophene	170	4-Heptanone
431	3-Acetylpyridine	436	4-Hexen-1-ol
146	3-Ethoxy-4-hydroxybenzaldehyde; Ethyl vanillin	346	4-Hydroxy-3-methoxybenzaldehyde; Vanillin
425	3-Ethylpyridine	519	4-Hydroxy-3-methoxybenzyl alcohol; Vanillyl alcohol
469	3-Heptanol	403	4-Hydroxy-3-pentenoic acid lactone; a-Angelicalactone
169	3-Heptanone	402	4-Hydroxybutanoic acid lactone; g-Butyrolactone
416	3-Hexanol	91	4-Hydroxydecanoic acid lactone; g-Decalactone
401	3-Hexanone	256	4-Hydroxyoctanoic acid lactone; g-Octalactone; g-Caprylolactone
7	3-Hydroxy-2-butanone; Acetoin	345	4-Hydroxypentanoic acid lactone; g-Valerolactone
347	3-Methoxy-4-acetoxybenzaldehyde; Vanillin acetate	200	4-Isopropenyl-1-cyclohexene-1-methanol; p-Mentha-1,8-dien-7-ol; Peril
22	3-Methyl-1-butanol; Isoamyl alcohol	473	4-Isopropenyl-1-cyclohexenecarboxaldehyde; Perillaldehyde; p-Mentha-1
511	3-Methyl-2-butanol	86	4-Isopropylbenzaldehyde; Cuminaldehyde
495	3-Methyl-2-buten-1-ol; Prenol	301	4-Isopropylbenzyl alcohol; p-Cymen-7-ol
366	3-Methyl-2-butenic acid; 3-Methylcrotonic acid; Senecioic acid	90	4-Isopropyltoluene; p-Cymene
418	3-Methyl-2-cyclohexen-1-one	205	4-Methoxybenzaldehyde; p-Anisaldehyde
438	3-Methyl-2-cyclopenten-1-one; 1-Methyl-1-cyclopenten-3-one	26	4-Methoxybenzyl alcohol; Anisyl alcohol
333	3-Methylbenzaldehyde; m-Tolualdehyde	236	4-Methyl-2-pentanone; Methyl isobutyl ketone
344	3-Methylbutanoic acid; Isovaleric acid	419	4-Methyl-3-penten-2-one; Mesityl oxide
20	3-Methylbutyl acetate; Isoamyl acetate	369	4-Methyl-5-thiazoleethanol; 5-(2-Hydroxyethyl)-4-methylthiazole
373	3-Methylbutylamine; Isoamylamine	409	4-Methyl-5-vinylthiazole
216	3-Methylbutyraldehyde; 3-Methylbutanal; Isovaleraldehyde	211	4-Methylanisole; 4-Methoxytoluene
222	3-Methylcyclopentane-1,2-dione; Methylcyclopentenolone	334	4-Methylbenzaldehyde; p-Tolualdehyde
318	3-Methylindole; Skatole	365	4-Methylbiphenyl; 4-Phenyltoluene
439	3-Methylpentanoic acid	85	4-Methylphenol; p-Cresol
462	3-Methylphenol; m-Cresol	513	4-Methylthiazole
441	3-Nonanone	194	4-Oxopentanoic acid; Levulinic acid
478	3-Octanol	270	4-Pentenoic acid
262	3-Octanone	276	4-Phenyl-2-butanol
422	3-Oxobutanal dimethyl acetal; Acetylacetaldehyde dimethyl acetal	278	4-Phenyl-2-butyl acetate
430	3-Penten-2-one	496	4-Propylphenol
280	3-Phenyl-1-propanol	468	5-Ethyl-2-methylpyridine
282	3-Phenylpropionaldehyde; Hydrocinnamaldehyde	72	5-Isopropenyl-2-methyl-2-cyclohexen-1-yl acetate; Carvyl acetate
283	3-Phenylpropionic acid; Hydrocinnamic acid	73	5-Isopropenyl-2-methyl-2-cyclohexen-1-yl proanoate; Carvyl propionate
4	4'-Methoxyacetophenone; 4-Acetylanisole	103	5-Isopropenyl-2-methylcyclohexanol; Dihydrocarveol; p-Menth-8-en-2-ol
208	4'-Methylacetophenone		
187	4-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-3-buten-2-one; b-Ionone		
186	4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-3-buten-2-one; a-Ionone		

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476	5-Isopropenyl-2-methylcyclohexanone;	486	Benzyl methyl sulfide
	Dihydrocarvone; p-Menth-8-en-2-o	41	Bergamot oil
104	5-Isopropenyl-2-methylcyclohexyl	350	Biphenyl
	acetate; Dihydrocarvyl acetate	42	Borneol; 1,7,7-
370	5-Methyl-2-thiophenecarboxaldehyde; 5-		Trimethylbicyclo[2.2.1]heptan-2-ol,
	Methyl-2-thenaldehyde		endo-
427	5-Methyl-3-hexen-2-one	44	Bornyl acetate
223	5-Methylfurfural	53	Butyl 4-hydroxybenzoate; Butyl paraben
493	5-Phenyl-1-pentanol	55	Butyl 4-oxopentanoate; Butyl levulinate
467	6,10-Dimethyl-5,9-undecadien-2-one;	46	Butyl acetate
	Geranylacetone	54	Butyl dodecanoate; Butyl laurate
440	6,6-Dimethylbicyclo[3.1.1]hept-2-en-2-	51	Butyl formate
	ylmethanol; Myrtenol	56	Butyl octadecanoate; Butyl stearate
226	6-Methyl-5-hepten-2-one; 2-Methyl-2-	57	Butyl sulfide; Dibutyl sulfide
	hepten-6-one	351	Butylamine
221	6-Methylcoumarin; 6-Methyl-2H-1-	49	Butylated hydroxyanisole; (2 & 3)-t-
	benzopyran-2-one		Butyl-4-methoxyphenol; BHA
246	7-Methyl-3-methylene-1,6-octadiene;	50	Butylated hydroxytoluene; 2,6-Di-t-
	Myrcene		butyl-4-methylphenol; BHT
421	9,12,15-Octadecatrienoic acid; Linolenic	58	Butyraldehyde; Butanal
	acid	60	Butyric acid; Butanoic acid
420	9,12-Octadecadienoic acid; Linoleic acid	64	Cajeput oil
1	Acacia, gum; Arabic, gum	65	Calcium acetate .H2O
2	Acetal; Acetaldehyde diethyl acetal; 1,1-	336	Calcium phosphate, tribasic; Tricalcium
	Diethoxyethane		phosphate
3	Acetaldehyde; Ethanal	68	Carmine; Carminic acid
5	Acetic acid; Ethanoic acid	188	Carrageen, type I
414	Acetone; 2-Propanone	69	Carveol; (-)-5-Isopropenyl-2-methyl-2-
8	Acetophenone		cyclohexen-1-ol; p-Mentha-6,8-d
349	Acetylpyrazine	74	Castor oil
10	Adipic acid; Hexanedioic acid	76	Cinnamic acid; (E)-3-Phenylpropenoic
11	Agar powder		acid
12	Algin; Alginic acid	77	Cinnamon oil
14	Alginates, ammonium and calcium	78	Cinnamyl alcohol; 3-Phenyl-2-propen-1-
13	Alginates, sodium		ol
15	Allyl butyrate	83	Clove bud oil
16	Allyl isothiocyanate	84	Clove stem oil
17	Allyl mercaptan; 2-Propene-1-thiol	87	Cyclohexaneacetic acid;
18	Allyl sulfide; Diallyl sulfide		Cyclohexylacetic acid
19	Almond oil, bitter	463	Cyclohexanecarboxylic acid
24	Anise oil	88	Cyclohexaneethyl acetate; 2-
25	Anisole; Methoxybenzene		Cyclohexylethyl acetate
27	Apricot seed oil	89	Cyclohexyl acetate
29	Bay sweet oil	488	D-(+)-Xylose
30	Beeswax, white	323	D-Sorbitol; D-Glucitol
31	Benzaldehyde	406	DL-Methionine; 2-Amino-4-
32	Benzaldehyde dimethyl acetal; a,a-		(methylthio)butanoic acid
	Dimethoxytoluene	515	DL-Phenylalanine; 2-Amino-3-
491	Benzenethiol; Thiophenol		phenylproionic acid
33	Benzoic acid	328	DL-Tartaric acid hydrate; 2,3-
34	Benzoin; 2-Hydroxy-2-		Dihydroxysuccinic acid hydrate
	phenylacetophenone	442	DL-Valine; 2-Amino-3-methylbutanoic
35	Benzophenone		acid
391	Benzothiazole	92	Decanal; Capraldehyde; Decyl aldehyde
36	Benzyl acetate	93	Decanoic acid; Capric acid
37	Benzyl alcohol	95	Decyl acetate
38	Benzyl benzoate	492	Dibenzyl disulfide; Benzyl disulfide
39	Benzyl cinnamate	98	Dibutyl sebacate; Dibutyl decanedioate
97	Benzyl ether; Dibenzyl ether	102	Diethyl 2,3-dihydroxysuccinate; Diethyl
40	Benzyl mercaptan		tartrate

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100	Diethyl decanedioate; Diethyl sebacate	454	Ethyl undecanoate; Ethyl hendecanoate
99	Diethyl malonate	154	Formic acid
101	Diethyl succinate	155	Fumaric acid; (E)-Butendioic acid
464	Dimethyl disulfide; Methyl disulfide	157	Furfuryl acetate
108	Dimethyl succinate	158	Furfuryl alcohol
241	Dimethyl sulfide; Methyl sulfide	159	Furfuryl mercaptan
376	Diphenyl disulfide; Phenyl disulfide	162	Ghatti gum; Indian gum
503	Diphenyl ether; Phenyl ether	163	Glucose pentaacetate; Pentaacetyl b-D-glucose
378	Dipropyl disulfide; Propyl disulfide		
110	Disodium phosphate; Sodium phosphate, dibasic	164	Glycerol; 1,2,3-Propanetriol; Glycerine
396	Disodium succinate; Succinic acid, disodium salt	165	Glyceryl 1-monooleate
191	Dodecanal; Dodecyl aldehyde	399	Glycine; Aminoacetic acid
190	Dodecanoic acid; Lauric acid	504	Guanosine 5'-monophosphate, disodium salt .3H ₂ O; Disodium 5'-guanylat
192	Dodecyl acetate; Lauryl acetate	167	Heptanal; Heptaldehyde
111	Elemi gum	415	Heptanoic acid; Enanthic acid
112	Erythorbic acid; Isoascorbic acid; D-erythro-3-Oxohexonic acid lacton	171	Heptyl acetate
452	Ethyl (E)-2-butenoate; Ethyl crotonate	267	Hexadecanoic acid; Palmitic acid
138	Ethyl (Z)-9-octadecenoate; Ethyl oleate	174	Hexanal
144	Ethyl 2,4-hexadienoate; Ethyl sorbate	176	Hexanoic acid; Caproic acid
117	Ethyl 2-acetyl-3-phenylpropionate; Ethyl 2-benzylacetoacetate	182	Hexyl acetate
120	Ethyl 2-aminobenzoate; Ethyl anthranilate	185	Indole
143	Ethyl 2-hydroxybenzoate; Ethyl salicylate	505	Inosine 5'-monophosphate, disodium salt .H ₂ O; Disodium 5'-inosinate
133	Ethyl 2-hydroxypropanoate; Ethyl lactate	43	Isoborneol; 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-ol, exo-
125	Ethyl 2-methylpropanoate; Ethyl isobutyrate	298	Isopropyl acetate
434	Ethyl 3-hydroxybutanoate	472	Isopropyl tetradecanoate; Isopropyl myristate
145	Ethyl 3-methylbutanoate; Ethyl isovalerate	315	Isoquinoline; Benzo[c]pyridine
116	Ethyl 3-oxobutanoate; Ethyl acetoacetate	189	L-(+)-2-Hydroxypropanoic acid; L-(+)-Lactic acid
507	Ethyl 3-oxohexanoate; Ethyl b-ketohexanoate	390	L-(+)-Arabinose
115	Ethyl acetate	28	L-Ascorbic acid; Vitamin C
118	Ethyl acrylate; Ethyl propenoate	498	L-Aspartic acid; 2-Aminosuccinic acid
119	Ethyl alcohol; Ethanol	392	L-Cysteine; 2-Amino-3-mercaptopropanoic acid
121	Ethyl benzoate	398	L-Glutamic acid; 2-Aminoglutaric acid
122	Ethyl benzoylacetate; Ethyl 3-phenyl-3-oxopropanoate	508	L-Glutamine; 2-Aminoglutaric acid-5-amide
124	Ethyl butyrate	509	L-Histidine; 2-Amino-3-(4-imidazolyl)propionic acid
127	Ethyl cinnamate	404	L-Isoleucine; L-2-Amino-3-methylpentanoic acid
128	Ethyl cyclohexanepropionate; Ethyl 3-cyclohexylpropionate	405	L-Leucine; 2-Amino-4-methylpentanoic acid
129	Ethyl decanoate; Ethyl caprate	198	L-Malic acid; Hydroxysuccinic acid
130	Ethyl formate	480	L-Phenylalanine; 3-Phenyl-2-aminopropanoic acid
131	Ethyl heptanoate; Ethyl enanthate	412	L-Proline; 2-Pyrrolidinecarboxylic acid
139	Ethyl hexadecanoate; Ethyl palmitate	516	L-Rhamnose; 6-Deoxy-L-mannose monohydrate
132	Ethyl hexanoate; Ethyl caproate		
134	Ethyl levulinate; Ethyl 4-oxopentanoate	518	L-Tyrosine; 2-Amino-3-(4-Hydroxyphenyl)proionic acid
136	Ethyl nonanoate; Ethyl pelargonate		
453	Ethyl octadecanoate; Ethyl stearate	197	Locust gum
137	Ethyl octanoate; Ethyl caprylate	199	Maltol; 3-Hydroxy-2-methyl-4H-pyran-4-one
140	Ethyl phenylacetate		
141	Ethyl propionate	212	Methyl 2-aminobenzoate; Methyl anthranilate
142	Ethyl pyruvate; Ethyl 2-oxopropanoate	224	Methyl 2-furoate
135	Ethyl tetradecanoate; Ethyl myristate		

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Food Additives

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
240	Methyl 2-hydroxybenzoate; Methyl salicylate	305	Propyl 4-hydroxybenzoate
230	Methyl 2-methoxybenzoate; Methyl o-anisate	297	Propyl acetate
218	Methyl 2-methylpropanoate; Methyl isobutyrate	303	Propyl gallate; Propyl 3,4,5-trihydroxybenzoate
231	Methyl 3-(methylthio)propionate	304	Propyl hexanoate; Propyl caproate
512	Methyl 3-pyridinecarboxylate; Methyl nicotinate	310	Pyridine
228	Methyl 4-hydroxybenzoate; Methyl paraben	424	Pyrrole
209	Methyl 4-methoxybenzoate; Methyl p-anisate	460	Pyrrolidine; Tetrahydropyrrole
428	Methyl 9,12,15-octadecatrienoate; Methyl linolenate	311	Pyrvaldehyde; Pyruvic aldehyde; 2-Oxopropanal (40 wt.% in water)
207	Methyl acetate	312	Pyruvic acid; 2-Oxopropanoic acid
213	Methyl benzoate	313	Quinine hydrochloride dihydrate
217	Methyl butyrate	314	Quinine sulfate .H2O
477	Methyl cyclohexanecarboxylate	447	Quinoline; Benzo[b]pyridine
229	Methyl dodecanoate; Methyl laurate	316	Saccharin, Na salt; 1,2-Benzothiazolin-3-one 1,1-dioxide, Na salt
225	Methyl heptanoate; Methyl enanthate	319	Sodium acetate; Acetic acid, sodium salt
227	Methyl hexanoate; Methyl caproate	320	Sodium benzoate; Benzoic acid, sodium salt
234	Methyl nonanoate; Methyl pelargonate	321	Sodium citrate .2H2O; Citric acid, trisodium salt dihydrate
235	Methyl octanoate; Methyl caprylate	322	Sorbitan monostearate; Span 60
244	Methyl pentanoate; Methyl valerate	325	Storax; Styrax gum
238	Methyl phenylacetate	379	Styrene; Vinylbenzene
239	Methyl propionate	326	Sucrose octaacetate; Octaacetyl sucrose
232	Methyl tetradecanoate; Methyl myristate	327	Tannic acid; Tannin
245	Monosodium glutamate; L-Glutamic acid, sodium salt	247	Tetradecanal; Tetradecyl aldehyde; Myristaldehyde
251	Nonanal; Nonyl aldehyde; Pelargonaldehyde	248	Tetradecanoic acid; Myristic acid
252	Nonanoic acid; Pelargonic acid	330	Tetrahydrofurfuryl alcohol
254	Nonyl acetate	517	Thaumatococin
324	Octadecanoic acid; Stearic acid	413	Thiamine hydrochloride; Vitamin B1 hydrochloride
257	Octanal; Octyl aldehyde	490	Thiazole
258	Octanoic acid; Caprylic acid	335	Tragacanth gum
264	Octyl acetate	6	Triacetin; Glyceryl triacetate; Acetin
266	Origanum oil	62	Tributylin; Glyceryl tributyrinate; Butylin
342	Pentanal; Valeraldehyde	337	Triethyl 2-hydroxy-1,2,3-propanetricarboxylate; Triethyl citrate
343	Pentanoic acid; Valeric acid	382	Trimethylamine
375	Phenol	338	Undecanal; Hendecanal; Undecylic aldehyde
272	Phenoxyacetic acid	384	Undecanoic acid; Hendecanoic acid
273	Phenylacetaldehyde	214	a-Methylbenzyl alcohol; 1-Phenylethanol
275	Phenylacetic acid	220	a-Methylcinnamaldehyde; 2-Methyl-3-phenyl-2-propenal
288	Piperidine	329	a-Terpineol; p-Menth-1-en-8-ol
292	Potassium acetate; Acetic acid, potassium salt	388	b-Alanine; 2-Aminopropanoic acid
293	Potassium sorbate; Sorbic acid, potassium salt; 2,4-Hexadienoic acid,	443	dl-(3-Amino-3-carboxypropyl)dimethylsulfonium chloride; DL-Methylmeth
295	Propanal; Propionaldehyde		
296	Propionic acid		
446	Propiophenone; 1-Phenyl-1-propanone; Propionylbenzene		