

Index

Titles of monographs are shown in the boldface type.

A

- Abbreviations, 6
 Absolute Alcohol (Reagent), 5
 Acacia, 546
 "Accuracy", Defined, 1575
 Acesulfame K, 9
Acesulfame Potassium, 9
 Acetal, 10
Acetaldehyde, 10
Acetaldehyde Diethyl Acetal, 10
 Acetaldehyde Test Paper, 1571
 Acetals (Essential Oils and Flavors), 1401
Acetanisoole, 11
 Acetate C-10, 354
 Acetate Identification Test, 1316
 Acetegenol, 456
 Acetic Acid Furfurylester, 494
Acetic Acid, Glacial, 12
 Acetic Acid TS, Diluted, 1560
 Acetic Acid TS, Strong, 1560
 Acetic Acid, Zinc Salt, Dihydrate, 1234
 Acetic Aldehyde, 10
 Acetic and Fatty Acid Esters of Glycerol, 18
 Acetic Periodic Acid TS, 1560
 Acetoacetic Ester, 415
 Acetoglycerides, 18
Acetoin (Dimer), 12
Acetoin (Monomer), 13
 α -Acetolactatedecarboxylase, 405
 2-Acetonaphthone, 761
Acetone, 13
Acetone Peroxides, 14
Acetophenone, 15
 2-Acetopyridine, 20
 N-Acetyl-L-2-amino-4-(methylthio)butyric Acid, 16
 3-Acetyl-6-methyl-1,2-pyran-2,4(3H)-dione, 356
3-Acetyl-2,5-Dimethyl Furan, 16
 4-Acetylanisole, 11
 Acetylated Mono- and Diglycerides, 18
Acetylated Monoglycerides, 18
 Acetylbenzene, 15
 Acetyl Eugenol, 456
 Acetyl Groups, 1437
N-Acetyl-L-Methionine, 16
 Acetyl Methyl Carbinol, 13
 Acetyl Propionyl, 879
2-Acetylpyrazine, 19
2-Acetylpyridine, 20
3-Acetylpyridine, 20
2-Acetylpyrrole, 21
2-Acetyl Thiazole, 17
 Acetyl Valeryl, 551
 Acetyl Value, 1408
 Achilleic Acid, 24
 Acid (Reagent), 5
 Acid-Hydrolyzed Milk Protein, 21
 Acid-Hydrolyzed Proteins, 21
 Acid Calcium Phosphate, 211
Acid Hydrolysates of Proteins, 21
 Acidic Sodium Aluminum Phosphate, 1043
Acidified Sodium Chlorite Solutions, 23
 Acidity Determination by Iodometric Method, 1455
 Acid Magnesium Phosphate, 713
 Acid Number (Rosins and Related Substances), 1432
 Acid Phosphatase Activity, 1369
 Acid Phthalate Buffer, 1559
 Acid Sodium Pyrophosphate, 1040
 Acid Trisodium Pyrophosphate, 1191
 Acid Value
 Fats and Related Substances, 1408
 Flavor Chemicals (Other than Essential Oils), 1458
 Acid Value (Essential Oils and Flavors), 1401
Aconitic Acid, 24
 Activated Carbon, 231
 Active Oxygen Method, 1423
 Added Substances, 2
 Adenosine 5'-monophosphate, 25
 Adenosine 5'-phosphoric Acid, 25
 Adenylic Acid, 25
5'-Adenylic Acid, 25
Adipic Acid, 28
 Adulterants and Contaminants in Food Ingredients, 1463
 Diethylene Glycol and Ethylene Glycol in Glycerin, 1463
 Pesticide Residues, 1463
Advantame, 28
 Ag, 1037
Agar, 32
DL-Alanine, 32
L-Alanine, 33
 Alcohol, 417, 1560
 Alcohol (Reagent), 5
 Alcohol, 70%, 1560
 Alcohol, 80%, 1560
 Alcohol, 90%, 1560
 Alcohol, Absolute, 1560
 Alcohol, Aldehyde-Free, 1560
 Alcohol C-6, 568
 Alcohol C-8, 843
 Alcohol C-9, 834
 Alcohol C-10, 355
 Alcohol C-11, 1202
 Alcohol C-12, 664
 Alcohol C-16, 558
 Alcohol Content of Ethyl Oxyhydrate Flavor Chemicals (Other than Essential Oils), 1455
 Alcohol, Diluted, 1560
 Alcoholic Potassium Hydroxide TS, 1560
 Alcoholometric Table, 1682
 Aldehyde C-6, 560
 Aldehyde C-7, 550
 Aldehyde C-8, 837
 Aldehyde C-9, 828
 Aldehyde C-10, 351
 Aldehyde C-11 Undecyclic, 1197
 Aldehyde C-11 Undecylenic, 1200
 Aldehyde C-12, 665
 Aldehyde C-12 MNA, 794
 Aldehyde C-14 Pure, So-Called, 1197
 Aldehyde C-16, 438
 Aldehyde C-18, So-Called, 828
 Aldehydes (Essential Oils and Flavors), 1401
 Aldehydes and Ketones
 Flavor Chemicals (Other than Essential Oils), 1453
 Hydroxylamine Method, 1454
 Hydroxylamine *tert*-Butyl Alcohol Method, 1453
 Aldehydes and Ketones (Essential Oils and Flavors), 1401
 Algin, 57, 184, 946, 1040
Alginate-Konjac-Xanthan Polysaccharide Complex, 34
 Alginates Assay, 1335
 Algin Derivative, 983
Alginic Acid, 35
Alitame, 36
 Alkaline Borate Buffer, 1559
 Alkaline Cupric Tartrate TS, 1560
 Alkaline Mercuric Potassium Iodide TS, 1560, 1563
 All-*trans*-Retinol, 1210
 Allspice Oil, 910
 All-*trans*-Lycopene, 696, 699
Allura Red, 37
 Allura Red AC, 37, 462
p-Allylanisole, 412
Allyl Anthranilate, 38
 Allyl Beta-phenylacrylate, 39
 Allyl Butanoate, 39

- Allyl Butyrate**, 39
 Allyl Caproate, 42
Allyl Cinnamate, 39
Allyl Cyclohexane Valerate, 40
Allyl Cyclohexanepropionate, 40
 Allyl-3-cyclohexanepropionate, 40
 Allyl Cyclohexyl Valerate, 40
 4-Allyl-1,2-dimethoxy Benzene, 776
Allyl Disulfide, 41
 4-Allylguaiacol, 456
Allyl Heptanoate, 41
 Allyl Heptoate, 41
Allyl Hexanoate, 42
 Allyl Ionone, 43
Allyl α -Ionone, 43
 Allyl Isopentanoate, 45
Allyl Isothiocyanate, 44, 1458
Allyl Isovalerate, 45
Allyl Mercaptan, 46
 4-Allyl-2-methoxyphenol, 456
 4-Allyl-2-methoxy-phenyl Acetate, 456
Allyl Phenoxy Acetate, 47
Allyl Propionate, 48
 Allyl Sulfhydrate, 46
Allyl Sulfide, 49
 Allylthiol, 46
Almond Oil, Bitter, FPPA, 49
 alpha-Amyl-beta-phenylacrolein Dimethyl Acetal, 70
 alpha-*n*-Amyl-beta-phenylacryl Acetate, 71
 alpha-Amyl-beta-phenylacryl Formate, 72
Alpha-Amylcinnamaldehyde Dimethyl Acetal, 70
 alpha-Amylcinnamic Aldehyde Dimethyl Acetal, 70
Alpha-Amylcinnamyl Acetate, 71
Alpha-Amylcinnamyl Alcohol, 71
Alpha-Amylcinnamyl Formate, 72
 alpha-(Benzylidithio)toluene, 127
(-)- α -Bisabolol, 149
 α -D(x) Ribofuranose, 1008
 alpha-Mercaptoluene, 130
 alpha-(Methylthio)toluene, 131
 alpha-Pentylcinnamaldehyde Dimethyl Acetal, 70
 alpha-Pentylcinnamyl Acetate, 71
 alpha-Pentylcinnamyl Alcohol, 71
 alpha-Pentylcinnamyl Formate, 72
 Alphazurine 2G, 1569
 Alternative Analytical Procedures, 2
Aluminum Ammonium Sulfate, 50
 Aluminum Identification Test, 1316
 Aluminum Limit Test, 1317
Aluminum Potassium Sulfate, 51
 Aluminum Silicate, 116
Aluminum Sodium Sulfate, 51
Aluminum Sulfate, 52
Amaranth, 53
 Ambrette Seed Liquid, 55
Ambrette Seed Oil, 55
 N-[4-[[[(2-Amino-1,4-dihydro-4-oxo-6-pteridiny) methyl] amino]benzoyl]-L-glutamic Acid, 484
 L- α -Amino- β -phenylpropionic Acid, 901
 L-2-Amino-3-hydroxybutyric Acid, 1166
 4-Amino-3-hydroxybutyric Acid Trimethylbetaine, 238
 DL-2-Amino-3-hydroxypropanoic Acid, 1033
 L-2-Amino-3-hydroxypropanoic Acid, 1034
 DL- α -Amino- β -phenylpropionic Acid, 900
 DL- α -Amino-3-indolepropionic Acid, 1192
 L- α -Amino-3-indolepropionic Acid, 1193
 L-2-Amino-3-mercaptopropanoic Acid Monohydrochloride, 340
 L-2-Amino-3-methylbutyric Acid, 1206
 DL-2-Amino-3-methylvaleric Acid, 626
 L-2-Amino-3-methylvaleric Acid, 627
 L- α -Amino-4(or 5)-imidazolepropionic Acid, 577
 L- α -Amino-4(or 5)-imidazolepropionic Acid Monohydrochloride, 578
 DL-2-Amino-4-(methylthio)butyric Acid, 746
 L-2-Amino-4-(methylthio)butyric Acid, 747
 N-[*p*-[[[(2-Amino-4-hydroxy-6-pteridiny)methyl] amino]benzoyl]glutamic Acid, 484
 DL-2-Amino-4-methylvaleric Acid, 674
 L-2-Amino-4-methylvaleric Acid, 675
 L-2-Amino-5-guanidinovaleric Acid, 87
 L-2-Amino-5-guanidinovaleric Acid Monohydrochloride, 88
 Aminoacetic Acid, 538
 L-2-Aminoglutaramic Acid, 523
 α -Amino Nitrogen Determination, 1337
 N-{4-[[[(6S)-2-Amino-1,4,5,6,7,8-hexahydro-5-methyl-4-oxo-6-pteridiny)methyl]amino]benzoyl]-L-glutamic Acid, Calcium Salt (1:1), 202
 N-[4-[[[(2-Amino-1,4,5,6,7,8-hexahydro-5-methyl-4-oxo-(6S)-pteridiny)methyl]amino]benzoyl]-L-glutamic Acid, Calcium Salt (1:1), 202
2-Aminoethanesulfonic Acid, 1149
2-Aminoethylsulfonic Acid, 1149
 L-2-Aminopentanedioic Acid, 522
 2-Aminopentanedioic Acid Hydrochloride, 522
 Aminopeptidase Activity, 1370
 Aminopeptidase, Leucine, 405
 DL-2-Aminopropanoic Acid, 32
 L-2-Aminopropanoic Acid, 33
 L- α -Aminosuccinamic Acid, 90
 DL-Aminosuccinic Acid, 94
 L-Aminosuccinic Acid, 95
 Ammonia-Ammonium Chloride Buffer TS, 1560
 Ammoniacal Silver Nitrate TS, 1560
 Ammonia Detector Tube, 1571
 Ammonia Nitrogen Determination, 1337
Ammonia Solution, 56
Ammoniated Glycyrrhizin, 86
 Ammonia TS, 1560
 Ammonia TS, Stronger, 1560
 Ammonium Acetate TS, 1561
Ammonium Alginate, 57
 Ammonium Alum, 50
Ammonium Bicarbonate, 57
Ammonium Carbonate, 58
 Ammonium Carbonate TS, 1561
Ammonium Chloride, 58
 Ammonium Chloride TS, 1561
Ammonium Citrate, Dibasic, 59
Ammonium Citrate, Tribasic, 59
 Ammonium Dihydrogen Phosphate, 61
 Ammonium Glutamate, 801
 Ammonium Glycyrrhizinate, 802
 Ammonium Glycyrrhizinate, Pentahydrate, 802
 Ammonium Hydroxide, 56
 Ammonium Hydroxide (Reagent), 5
 Ammonium Identification Test, 1316
 Ammonium Iron (II) Phosphate, 474
 Ammonium Magnesium Potassium Chloride, Hydrate, 705
 Ammonium Molybdate TS, 1561
 Ammonium Oxalate TS, 1561
 Ammonium Peroxidisulfate, 60
Ammonium Persulfate, 60
Ammonium Phosphate, Dibasic, 61
Ammonium Phosphate, Monobasic, 61
 Ammonium Phosphatides, 62
Ammonium Polyphosphate, 64
Ammonium Saccharin, 65
Ammonium Salts of Phosphatidic Acid, 62
 Ammonium Salts of Phosphorylated Glyceride, 62
 Mixed Ammonium Salts of Phosphorylated Glycerides, 62
 Ammonium Standard Solution, 1560
 Ammonium Sulfanilate TS, 1561
Ammonium Sulfate, 66
 Ammonium Sulfide TS, 1561
 Ammonium Thiocyanate, 0.1 N, 1565
 Ammonium Thiocyanate TS, 1561
 AMP, 25, 62
 Amyl Acetate, 601
1-Amyl Alcohol, 67
 Amylase, 405
 α -Amylase Activity (Bacterial), 1372
 α -Amylase Activity (Nonbacterial), 1371
 α -Amylase, 1371
 β -Amylase, 407
Amyl Butyrate, 67, 603
 Amyl Caprylate, 68
 Amylcinnamaldehyde, 69
 α -**Amylcinnamaldehyde**, 69
n-Amylcinnamic Alcohol, 71
Amyl Formate, 67, 605
Amyl Heptanoate, 67
 Amyl Hexanoate, 606
 Amyl Isovalerate, 608

Amyl Octanoate, 68
 Amyloglucosidase, 1367
 Amyloglucosidase Activity, 1378
Amyl Propionate, 68
 Amyl Salicylate, 609
 Amyl Valerate, 608
 Amyl Vinyl Carbinol, 840
Amryis Oil, West Indian Type, 72
 Analytical Samples, 4
Anethole, 73, 1458
trans-Anethole, 73
 Aneurine Hydrochloride, 1164
Angelica Root Oil, 73
Angelica Seed Oil, 74
Angelica Seed Oleoresin, 1107
 Angular Rotation, 1278
 Anhydrous Alcohol (Reagent), 5
***o*-Anisaldehyde**, 75
p-Anisaldehyde, 749
Anise Oil, 75
 Anise Oleoresin, 1108
 Anisic Alcohol, 78
 Anisic Aldehyde, 749
 Anisidine Value, 1408
Anisole, 76, 1458
Anisyl Acetate, 77
 Anisyl Acetone, 795
Anisyl Alcohol, 78
 Anisyl α -Toluene, 80
Anisyl Butyrate, 79
Anisyl Formate, 79
Anisyl Phenylacetate, 80
 Anisyl Propanoate, 81
Anisyl Propionate, 81
Annatto Extracts, 81
 Anthrone TS, 1561
 Antimony Trichloride TS, 1561
 APDC Extraction Method (for Lead), 1331
 APM, 91
 APM-Ace, 93
 APO, 82
 Apocarotenal, 82
 β -Apo-8'-Carotenal, 82
 Apparatus for Tests and Assays, 4, 1261
Arabinogalactan, 87
 D-Araboascorbic Acid, 409
 Arachidonic Acid-Rich Oil, 82
ARA from Fungal (*Mortierella alpina*) Oil, 82
 ARA Fungal Oil, 82
 ARA-Rich Oil, 82
 ARA-Rich Single Cell Oil, 82
 Argentum, 1037
L-Arginine, 87
L-Arginine Monohydrochloride, 88
 Arsenic Limit Test, 1318
 Arsenic Limit Test (Chewing Gum Base Polymers), 1364
Ascorbic Acid, 88
 L-Ascorbic Acid, 88
Ascorbyl Palmitate, 89
Ascorbyl Stearate, 90
 L-Ascorbyl Stearate, 90
 Ash (Acid-Insoluble), 1290
 Ash (Total), 1291

L-Asparagine, 90
Aspartame, 91
Aspartame-Acesulfame Salt, 93
DL-Aspartic Acid, 94
L-Aspartic Acid, 95
N-L- α -Aspartyl-L-phenylalanine 1-Methyl Ester, 91
L- α -Aspartyl-*N*-(2,2,4,4-tetramethyl-3-thietanyl)-D-alaninamide, hydrated, 36
Aspergillus niger, 1366
Aspergillus niger var., 1366
 Astaxanthin, 96
 Astaxanthin Esters, 96
Astaxanthin Esters from *Haematococcus pluvialis*, 96
 Astaxanthin Fatty Acid Esters, 96
 Atomic Absorption Spectrophotometric Graphite Furnace Method (for Lead), 1329
 Atomic Absorption Spectroscopy, 1598
 Atomic Weights, 4, 1684
 Au, 538
 Aurum, 538
 Autolyzed Yeast, 1227
 Autolyzed Yeast Extract, 1230
Azodicarbonamide, 100
 Azodicarboxylic Acid Diamide, 100
Azorubine, 101
 Azo Violet, 1569

B

Bacillus coagulans GBI-30, 6086, 103
 Baker's Yeast Beta Glucan, 135
 Baking Soda, 1045
 Balsam Fir Oil, 482
Balsam Peru Oil, 111
 Barium Chloride TS, 1561
 Barium Diphenylamine Sulfonate TS, 1561
 Barium Hydroxide, 0.2 N, 1566
 Barium Hydroxide TS, 1561
 Barium Standard Solution, 1560
 Barley, 1366
 Barley Malt, 1366
 Basic Sodium Aluminum Phosphate, 1043
Basil Oil, Comoros Type, 112
Basil Oil, European Type, 113
 Basil Oil Exotic, 112
 Basil Oil, Italian Type, 113
 Basil Oil, Réunion Type, 112
Basil Oleoresin, 1108
 Bay Leaf Oil, 663
Bay Oil, 114
 BCD, 331
 BDS, 127
Beeswax, White, 115
Beeswax, Yellow, 116
 Beet Fiber, 1133
 Beet Sugar, 1128
 1,3-Behenic-2-oleic Glyceride, 150
 Benedict's Qualitative Reagent, 1561

Bentonite, 116
Benzaldehyde, 118
Benzaldehyde Glyceryl Acetal, 118
Benzaldehyde Propylene Glycol Acetal, 119
 Benzene (in Paraffinic Hydrocarbon Solvents), 1337
 1,3-Benzenediol, 5-[(*E*)-2-(4-hydroxyphenyl)ethenyl], 1001
 Benzenemethanethiol, 130
Benzenethiol, 119
 Benzidine TS, 1561
 1,2-Benzisothiazole-3(2*H*)-one-1,1-Dioxide, 1017
 1,2-Benzisothiazole-3(2*H*)-one 1,1-Dioxide Sodium Salt, 1086
 1,2-Benzisothiazolin-3-one-1,1-Dioxide, Calcium Salt, 215
 1,2-Benzisothiazolin-3-one 1,1-Dioxide Ammonium Salt, 65
 Benzoate Identification Test, 1316
1,2-Benzodihydropyrene, 120
Benzoic Acid, 121
 Benzoic Acid, Hexahydro, 339
Benzophenone, 122
 4*H*-1-Benzopyran-4-one, 7-[[6-*O*-(6-deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxy, 557
o-Benzosulfimide, 1017
 Benzoylbenzene, 122
Benzoyl Peroxide, 123
3-Benzyl-4-Heptanone, 128
 Benzyl 3-oxobutanoate, 124
Benzyl Acetate, 123
Benzyl Acetoacetate, 124
 Benzyl Acetylacetate, 124
Benzyl Alcohol, 125
Benzyl Benzoate, 125
 Benzyl beta-Ketobutyrate, 124
Benzyl Butyrate, 126
 Benzyl *n*-Butyrate, 126
Benzyl Cinnamate, 126
 Benzyl Dipropyl Ketone, 128
Benzyl Disulfide, 127
Benzyl Formate, 127
 2-Benzylideneheptanol, 71
Benzyl Isobutyrate, 129
Benzyl Isovalerate, 129
Benzyl Mercaptan, 130
 Benzyl 3-Methyl Butyrate, 129
 Benzyl 2-Methyl Propionate, 129
Benzyl Methyl Sulfide, 131
Benzyl Phenylacetate, 131
 Benzyl Propanoate, 132
Benzyl Propionate, 132
Benzyl Salicylate, 133
 Benzylthiol, 130
Bergamot Oil, Coldpressed, 134
 Beta-1,3-glucan, 326
 Beta-Carotene, 242
beta-Cyclodextrin, 331
Beta Glucan from Baker's Yeast (*Saccharomyces cerevisiae*), 135
Betaine, 138
BHA, 139

- BHT**, 140
 Bibenzene, 147
 Bicarbonate Identification Test, 1316
Bifidobacterium animalis ssp. lactis
Bi-07, 140
Bifidobacterium animalis ssp. lactis
BI-04, 142
Bifidobacterium animalis ssp. lactis
HN019, 144
 Bile-Tolerant Gram-Negative Bacteria,
 1461
 Biobased Content of 1,3-Propanediol,
 1471
Biotin, 147
d-Biotin, 147
Biphenyl, 147
 1,1-Biphenyl, 147
Birch Tar Oil, Rectified, 147
 2,10-Bisaboladien-7-ol, 149
 Bis(2-amino-2-deoxy- β -D-
 glucopyranose) Sulfate Potassium
 Chloride Complex (-,-), 516
 Bis(2-amino-2-deoxy- β -D-
 glucopyranose) Sulfate Sodium
 Chloride Complex (-,-), 519
 Bis(D-glucose, 2-amino-2-deoxy-),
 Sulfate Potassium Chloride Complex,
 516
 Bis(D-glucose, 2-amino-2-deoxy-),
 Sulfate Sodium Chloride Complex,
 519
 Bismuth Nitrate TS, 1561
 Bisulfite Identification Test, 1316
 Bitter Almond Oil Free from Prussic
 Acid, 49
Black Pepper Oil, 149
Black Pepper Oleoresin, 1108
 Black PN, 154
 Blank Tests, 4
Bohenin, 150
Bois de Rose Oil, 151
 Boric Acid-Potassium Chloride, 0.2 M,
 1559
Borneol, 152
Bornyl Acetate, 153
L-Bornyl Acetate, 153
 Bound Styrene (Chewing Gum Base
 Polymers), 1360
 Brewer's Yeast, 1228
 Brilliant Black BN, 154
Brilliant Black PN, 154
Brilliant Blue, 156
 Brilliant Blue FCF, 156, 459
 Brilliant Carmine 6B, 690
 Brilliant Green BS, 542
 Bromelain, 405, 1366
 Bromide Identification Test, 1316
Brominated Vegetable Oil, 157
 Bromine, 0.1 N, 1566
 Bromine TS, 1561
 Bromocresol Blue, 1569
 Bromocresol Blue TS, 1561
 Bromocresol Green, 1569
 Bromocresol Green TS, 1561
 Bromocresol Purple, 1570
 Bromocresol Purple TS, 1561
 Bromophenol Blue, 1570
 Bromophenol Blue TS, 1561
 Bromothymol Blue, 1570
 Bromothymol Blue TS, 1561
Brown HT, 158
 Buffer Solutions
 Acid Phthalate, 1559
 Alkaline Borate, 1559
 Hydrochloric Acid, 1559
 Neutralized Phthalate, 1559
 Phosphate, 1559
 Phosphate, pH 7.2, 1459
 Standard, 1559
 Stock, 1459
Butadiene-Styrene Rubber, 161
Butane, 165
n-Butane, 165
 Butane-1,3-diol, 179
 Butane, 1-isothiocyanato-, 174
 1,4-Butanedicarboxylic Acid, 28
 Butanedioic Acid, 1122
 2,3-Butanedione, 369
2,3-Butanedithiol, 166
 Butanoic Acid, 2-amino-4-
 (methylseleno)-, (*S*)-, 1032
 1-Butanol, 168
Butan-3-one-2-yl Butanoate, 167
2-Butanone, 166
 (*E*)-Butenedioic Acid, 491
 4-(Butoxymethyl)-2-methoxyphenol,
 1207
 Butter Starter Distillate, 1115
n-Butyl-*n*-valerianate, 179
 Butyl 2-Aminobenzoate, 169
Butyl Acetate, 168
n-Butyl Acetate, 168
Butyl Alcohol, 168
 Butyl Aldehyde, 180
Butyl Anthranilate, 169
n-Butyl Anthranilate, 169
 Butylated Hydroxyanisole, 139
Butylated Hydroxymethylphenol,
 179
 Butylated Hydroxytoluene, 140
 Butyl beta-Phenylacrylate, 171
Butyl Butyrate, 169
n-Butyl *n*-Butyrate, 169
Butyl Butyryllactate, 170
 Butyl Caproate, 173
Butyl Cinnamate, 171
n-Butyl Cinnamate, 171
2-sec-Butyl Cyclohexanone, 171
 Butyl Dodecanoate, 175
 Butyl Dodecylate, 175
1,3-Butylene Glycol, 179
 Butyl Ester, 170
Butyl Heptanoate, 172
 Butyl Heptylate, 172
Butyl Hexanoate, 173
tert-Butylhydroquinone, 1151
Butyl Isobutyrate, 173
Butyl Isothiocyanate, 174
n-Butyl isothiocyanate, 174
Butyl Isovalerate, 174
Butyl Laurate, 175
Butyl 2-Methyl Butyrate, 175
 Butyl mustard oil, 174
 Butyl *o*-Aminobenzoate, 169
 Butyl Octadecanoate, 178
 Butyl Oenanthatate, 172
 Butyl pentanoate, 179
n-Butyl pentanoate, 179
Butyl Phenylacetate, 177
 Butyl 3-Phenylpropenoate, 171
 Butyl Rubber, 622
Butyl Stearate, 178
Butyl Valerate, 179
Butyraldehyde, 180
 Butyrate, 170
Butyric Acid, 181
 Butyryn, 1188
 γ -**Butyrolactone**, 181
 Butyryllactic Acid, 170
- C**
 Cadmium Limit Test, 1320
Caffeine, 182
Calcium Acetate, 183
Calcium Acid Pyrophosphate, 183
Calcium Alginate, 184
Calcium Ascorbate, 185
Calcium Benzoate, 185
 Calcium Biphosphate, 211
Calcium Bromate, 186
Calcium Carbonate, 187
Calcium Chloride, 187
 Calcium Chloride Double Salt of DL- or
 D-Calcium Pantothenate, 208
Calcium Chloride Solution, 188
 Calcium Chloride TS, 1561
Calcium Citrate, 189
Calcium Cyclamate, 190
 Calcium Cyclohexanesulfamate, 190
 Calcium Cyclohexylsulfamate, 190
 Calcium Disodium Edetate, 191
Calcium Disodium EDTA, 191
 Calcium Disodium
 Ethylenediaminetetraacetate, 191
 Calcium Disodium
 (Ethylenedinitrilo)tetraacetate, 191
Calcium Gluconate, 192
Calcium Glycerophosphate, 192
 Calcium guanosine-5-monophosphate,
 193
 Calcium guanylate, 193
Calcium 5'-Guanylate, 193
Calcium Hydroxide, 194
 Calcium Hydroxide TS, 1561
 Calcium Hydroxyapatite, 213
 Calcium Identification Test, 1316
Calcium Iodate, 194
Calcium L-Threonate, 221
Calcium Lactate, 195
Calcium Lactobionate, 196
Calcium Lignosulfonate, 196
Calcium Lignosulfonate (40-65),
 198
Calcium L-5-
 Methyltetrahydrofolate, 202
Calcium Oxide, 206
Calcium Pantothenate, 207
 D-Calcium Pantothenate, 207

- Calcium Pantothenate, Calcium Chloride Double Salt**, 208
Calcium Pantothenate, Racemic, 209
Calcium Peroxide, 210
Calcium Phosphate, Dibasic, 210
Calcium Phosphate, Monobasic, 211
Calcium Phosphate, Tribasic, 213
 Calcium Propanoate, 214
Calcium Propionate, 214
Calcium Pyrophosphate, 215
Calcium Saccharin, 215
 Calcium salt of 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-2-naphthalenecarboxylic acid, 690
 Calcium, Seaweed-Derived, 1030
Calcium Silicate, 216
Calcium Sorbate, 218
Calcium Stearate, 218
 Calcium Stearoyl Lactate, 219
Calcium Stearoyl Lactylate, 219
 Calcium Stearoyl-2-Lactylate, 219
Calcium Sulfate, 220
 Calcium Sulfate TS, 1561
 Calcium Threonate, 221
Camphene, 222
d-Camphor, 222
(+)-Camphor, 222
Cananga Oil, 223
Candelilla Wax, 223
 Cane Sugar, 1128
Canola Oil, 224
 Cantha, 226
Canthaxanthin, 226
 Capillary Electrophoresis, 1590
 Capraldehyde, 351
 Capric Acid, 352
 Caproic Acid, 561
 Caproic Aldehyde, 560
 Capryl Alcohol, 843
 Caprylic Acid, 838
 Caprylic Aldehyde, 837
Capsicum Oleoresin, 1108
Caramel, 226
 Caramel Color, 226
Caraway Oil, 230
Caraway Oleoresin, 1108
 Carbamide, 1203
 2-[Carbamimidoyl(methyl)amino]acetic Acid; Hydrate, 320
 Carbohydrase, 405, 1367
Aspergillus niger var., 1366, 1367, 1368
Aspergillus oryzae var., 1366, 1367, 1368
Bacillus acidopullulyticus, 1369
Bacillus licheniformis (Containing a *Bacillus stearothermophilus* Gene), 1366
Bacillus licheniformis var., 1366
Bacillus stearothermophilus, 1366
Bacillus subtilis (Containing a *Bacillus megaterium* Gene), 1366
Bacillus subtilis (Containing a *Bacillus stearothermophilus* Gene), 1366, 1368
Bacillus subtilis var., 1366, 1367
 Barley, 1366
 Barley Malt, 1366
Candida pseudotropicalis, 1368
Kluyveromyces marxianus var. *lactis*, 1368
Mortierella vinacea var. *raffinoseutilizer*, 1367
Rhizopus niveus, 1367
Rhizopus oryzae var., 1367
Saccharomyces sp., 1368
Saccharomyces sp. (*cerevesiae*), 1368
Saccharomyces sp. (*Kluyveromyces*), 1368
Trichoderma longibrachiatum, 1367
Trichoderma longibrachiatum (Formerly *reesei*), 1367
 Carbohydrase and Protease, Mixed, 406
 Carbohydrate Authenticity Markers For Soluble (Instant) Coffee, 1476
 Carbohydrates and Related Substances, Tests and Assays, 1437
 Acetyl Groups, 1437
 Crude Fat, 1437
 Invert Sugar Determination, 1438
 Lactose Determination, 1439
 Propylene Chlorohydrin Determination, 1439
 Reducing Sugars Assay, 1441
 Sulfur Dioxide Determination, 1441
 Total Solids, 1443
Carbon, Activated, 231
 Carbonate Identification Test, 1316
Carbon Dioxide, 234
 Carbon Dioxide-Free Water, 5
 Carbon Dioxide Detector Tube, 1571
 Carbon Monoxide Detector Tube, 1571
 (*R*)-3-Carboxy-2-hydroxy-*N,N,N*-trimethyl-1-propanaminium Hydroxide, Inner Salt, 238
 Carboxycyclohexane, 339
 [2-Carboxy- β -(*N*-(*b*-methoxycarbonyl-2-phenyl)ethylcarbonyl)] ethanaminium 6-methyl-4-oxo-1,2,3-oxathiazin-3-ide-2,2-dioxide, 93
Cardamom Oil, 236
Cardamom Oleoresin, 1108
Carmine, 237
 Carmine 6B, 690
 Carminic Acid, 237
Carnauba Wax, 238
L-Carnitine, 238
L-Carnitine L-Tartrate, 240
 Carob Bean Gum, 693
 Carotene, 241, 242
 β -Carotene, 241
 Beta-Carotene, 241
 β -Carotene From *Blakeslea Trispora*, 242
 β - β -Carotene-3,3'-diol, (3*R*,3'*S*)-(3*R*,3'*S*-meso)-Zeaxanthin, 1230
 β -Carotene-4,4'-dione, 226
 Carr-Price Reagent, 1561
Carrageenan, 244
Carrot Seed Oil, 254
Carthamus Yellow, 255
Carvacrol, 256
(-)-Carveol, 257
 L-Carveol, 257
 4-Carvomenthenol, 1156
(+)-Carvone, 258
(-)-Carvone, 259
d-Carvone, 258
dextro-Carvone, 258
 L-Carvone, 259
levo-Carvone, 259
(-)-Carvyl Acetate, 260
 L-Carvyl Acetate, 260
 β -Caryophyllene, 261
Cascarilla Oil, 262
Casein and Caseinate Salts, 263
 CAS number, 2
Cassia Oil, 264
Castor Oil, 265
 Catalase, 406, 1366
 Catalase Activity, 1373
 Catalase, Bovine Liver, 404
 Caustic Potash, 955
 Caustic Soda, 1062
 Caustic Soda Solutions, 1063
 gamma-CD, 333
Cedar Leaf Oil, 265
Celery Oleoresin, 1108
Celery Seed Oil, 266
 Cellulase Activity, 1373
 Cellulose, Ethyl, 422
Cellulose Gel, 267
Cellulose Gum, 269
 Cellulose Gum Viscosity, 1286
 Cellulose, Hydroxypropyl, 588
 Cellulose, Methyl Ethyl, 771
 Cellulose, Microcrystalline, 267
Cellulose, Powdered, 270
 Centrifuge, 4
 Ceric Ammonium Nitrate TS, 1561
 Ceric Sulfate, 0.01 N, 1566
 Ceric Sulfate, 0.1 N, 1566
 Cetyl alcohol, 558
Cetylpyridinium Chloride, 271
Chamomile Oil, English Type, 273
Chamomile Oil, German Type, 274
 Chamomile Oil, Hungarian Type, 274
 Chandi-ka-vark, 1037
 Chemical Formulas, 2
 Chemical Markers
 Differentiation of Plant Oils Using Chemical Markers, 1409
 Chemical Tests and Determinations, 1316
 Chewing Gum Base Polymers, 1360
 Arsenic Limit Test, 1364
 Bound Styrene, 1360
 Lead Limit Test, 1364
 Molecular Weight, 1361
 Quinones, 1362
 Residual Styrene, 1363
 Total Unsaturation, 1364
 Chicle, 734
 Chilte, 734
 China Clay, 634
 Chiquibul, 734
Chitosan, 275

- Chloride and Sulfate Limit Tests, 1320
 Chloride Identification Test, 1316
 Chloride Limit Test, 1320
 Chlorinated Compounds (Essential Oils and Flavors), 1402
Chlorine, 278
 Chlorine Detector Tube, 1571
 Chlorine TS, 1561
 Chlorophyll, 1409
 Chocolate Brown HT, 158
 Cholic Acid, 279
 Cholecalciferol, 1214
Cholic Acid, 279
Choline Bitartrate, 280
Choline Chloride, 280
 Chromatography, 1266
 Column, 1267
 Gas, 1270
 High-Performance Liquid, 1272
 Paper, 1267
 Thin-Layer, 1268
Chromic Chloride, 281
 Chromium (Color Additive Assays), 1340
 Chromium(III) Picolinate, 282
 Chromium(III) Trispicolinate, 282
 Chromium chloride hexahydrate, 281
 Chromium chloride hexahydrate (III), 281
 Chromium chloride (III), 281
Chromium Picolinate, 282
 Chromium trichloride hexahydrate, 281
 Chromium Tripicolinate, 282
 Chromotropic Acid TS, 1561
 Chymosin, 406, 1367
 Chymotrypsin, 404, 1375
 Chymotrypsin Activity, 1375
 CI Food Black 1, 154
 CI Natural Yellow 5, 255
 Cinene, 680
 1,8-Cineol, 454
 Cineole, Percentage of (Essential Oils and Flavors), 1404
 Cinnamal, 284
Cinnamaldehyde, 284
Cinnamic Acid, 285
 Cinnamic Acid, Butyl Ester, 171
 Cinnamic Acid *n*-Butyl Ester, 171
 Cinnamic Alcohol, 288
 Cinnamic Aldehyde, 284
Cinnamon Bark Oil, Ceylon Type, 285
Cinnamon Leaf Oil, 286
 Cinnamon Oil, 264
Cinnamyl Acetate, 287
Cinnamyl Alcohol, 288
Cinnamyl Butyrate, 289
Cinnamyl Cinnamate, 290
Cinnamyl Formate, 291
Cinnamyl Isobutyrate, 292
Cinnamyl Isovalerate, 293
Cinnamyl Propionate, 294
Citral, 295
 Citrate Identification Test, 1316
 CITREM, 297
Citric Acid, 296
 Citric Acid Esters of Mono- and Diglycerides, 297
Citric and Fatty Acid Esters of Glycerol, 297
 Citridic Acid, 24
 Citroglycerides, 297
Citronellal, 299
Citronellol, 300
Citronellyl Acetate, 300
Citronellyl Butyrate, 301
Citronellyl Formate, 302
Citronellyl Isobutyrate, 303
 Citronellyl Propionate, 304
Citronellyl Propionate, 304
 Citrus Oils, Ultraviolet Absorbance (Essential Oils and Flavors), 1406
Clary Oil, 305
 Clary Sage Oil, 305
 Class: Bis-azo, 158
 CI Food Blue 1, 590
 CI Food Brown 3, 158
 CI Food Green 4, 542
 CI Food Orange 5, 242
 CI Food Red 14, 410
 CI Food Yellow 13, 993
 CI Food Yellow 4, 1148
 CI No. 20285, 158
 Clove Bud Oil, 307
Clove Leaf Oil, 306
Clove Oil, 307
Clove Stem Oil, 308
 CI Pigment Red 57, 690
 CMC, 269
 Coagulated or Concentrated Latexes of Vegetable Origin, 734
 CMP, 342
 Cobalt-Uranyl Acetate TS, 1561
 Cobalt Identification Test, 1316
 Cobaltous Chloride TS, 1561
Cocoa Butter Substitute, 309
Coconut Oil (Unhydrogenated), 310
Cognac Oil, Green, 311
 Cold Test, 1409
Coliforms, 1483
 Color (AOCS-Wesson), 1409
 Color Additive Assays
 Chromium, 1340
 Ether Extracts, 1340
 Leuco Base, 1341
 Loss on Drying, 1349
 Mercury, 1342
 Sodium Chloride, 1343
 Sodium Sulfate, 1343
 Total Color, 1344
 Uncombined Intermediates and Products of Side Reactions, 1346
 Water-Insoluble Matter, 1350
 Color Determination, 1340
 Colorimetric Solutions, 1559
 Color Value (Oleo-resins), 1428
 Column Chromatography, 1267
 Congo Red TS, 1561
 "Constant Weight", Defined, 6
 Containers, 3
 Light-Resistant Container, Defined, 3
 Tight Container, Defined, 3
 Well-Closed Container, Defined, 3
Copaiba Oil, 312
Copovidone, 313
Copper Gluconate, 316
 Copper Identification Test, 1316
 Copper Limit Test, 1321
Copper Sulfate, 316
 Copper Sulfate TS, 1561
Coriander Oil, 317
Coriander Oleoresin, 1108
 Corrmint Oil, Partially Dementholized, 742
Corn Oil (Unhydrogenated), 318
 Corn Sugar, 360
 Corn Syrup, 521
Costus Root Oil, 319
Cottonseed Oil (Unhydrogenated), 319
 Coulometric Titration (for water), 1288
 Cream of Tartar, 946
 Creatine Monohydrate, 320
 Cresol Red, 1570
 Cresol Red-Thymol Blue TS, 1561
 Cresol Red TS, 1561
 Cresyl Acetate (Test for Free Cresol), 1458
p-Cresyl Acetate, 321
 p-Cresyl Isobutyrate, 1183
 p-Cresyl Methyl Ether, 753
Crospovidone, 322
 Crown gum, 734
 Crude Fat, 1437
Cryptocodium cohnii Oil, 360
 Crystal Violet, 1570
 Crystal Violet TS, 1561
Cubeb Oil, 323
Cubeb Oleoresin, 1108
 Cuminal, 325
 Cuminaldehyde, 325
Cuminic Aldehyde, 325
 p-Cuminic Aldehyde, 325
Cumin Oil, 324
Cumin Oleoresin, 1108
 Cupric Citrate TS, Alkaline, 1561
 Cupric Nitrate TS, 1562
 Cupric Sulfate, 316
 Cupric Sulfate Test Paper, 1571
 Cupric Sulfate TS, 1562
 Cupric Tartrate TS, Alkaline, 1562
Curcuma longa L. Root Turmeric, 1194
 Curcumin Content, 1428
Curdlan, 326
 Cyanidenolon 1522, 990
 Cyanocobalamin, 1212
 Cyanogen Bromide TS, 1562
Cyclamen Aldehyde, 327
Cyclamic Acid, 328
 3-Cyclohexene-1-methanol, α ,4-dimethyl- α -(4-methyl-3-pentenyl)-, [S-(R*,R*)]-, 149
 α -**Cyclodextrin**, 329
 γ -Cyclodextrin, 333
 β -Cyclodextrin, 331
gamma-Cyclodextrin, 333
Cyclohexane, 335
Cyclohexanecarboxylic Acid, 339
 1,2,3,5/4,6-Cyclohexanehexol, 592

- Cyclohexanoic Acid, 339
Cyclohexyl Acetate, 339
 Cyclohexylcarboxylic Acid, 339
 Cyclohexylmethanoic Acid, 339
 Cyclomaltooctoase, 333
 Cyclooctaamylose, 333
 Cyclopentadecanolide, 876
p-Cymene, 339
L-Cysteine Monohydrochloride, 340
L-Cystine, 341
 Cytidine 5'-monophosphate, 342
 Cytidine 5'-phosphoric acid, 342
 Cytidylic acid, 342
5'-Cytidylic Acid, 342
- D**
- D.E., 373
 DAG Oil, 371
 Damar Gum, 348
 Damar Resin, 348
 α -**Damascone**, 344
 β -**Damascone**, 346
 δ -**Damascone**, 347
 Damasione, 346
 Dammar, 348
Dammar Gum, 348
 Dammar Resin, 348
 Danish Agar, 492
 Data Elements Required for Assay Validation, 1577
 DATEM, 369
 D&C Red No. 7, 690
 "Deaerated water", Defined, 5
(E),(E)-2,4-Decadienal, 349
trans,trans-2,4-Decadienal, 349
 δ -**Decalactone**, 349
 γ -**Decalactone**, 350
Decanal, 351
Decanoic Acid, 352
 1-Decanol, 355
(E)-2-Decenal, 352
(Z)-4-Decenal, 353
cis-4-Decenal, 353
trans-2-Decenal, 352
Decyl Acetate, 354
Decyl Alcohol, 355
 "Degassed Water", Defined, 5
 Dehydrated Alcohol (Reagent), 5
Dehydroacetic Acid, 356
 Denigès' Reagent, 1562
 Deoxycholic Acid, 356
 Description, Statement of, 3
 Function, 3
 Odorless, 3
 Desiccators and Desiccants, 4
Desoxycholic Acid, 356
 Detector Tubes, 1571
 Ammonia Detector Tube, 1571
 Carbon Dioxide Detector Tube, 1571
 Carbon Monoxide Detector Tube, 1571
 Chlorine Detector Tube, 1571
 Hydrogen Sulfide Detector Tube, 1571
 Nitric Oxide-Nitrogen Dioxide Detector Tube, 1571
 Sulfur Dioxide Detector Tube, 1571
 Water Vapor Detector Tube, 1571
 Devitalized Wheat Gluten, 1216
Dexpanthenol, 357
Dextrin, 358
 Dextro Calcium Pantothenate, 207
 Dextronic acid, 513
Dextrose, 360
DHA from Algal (Cryptocodinium) Oil, 360
DHA from Algal (Schizochytrium) Oil, 364
DHA from Algal (Ulkenia) Oil, 367
Diacetyl, 369
Diacetyl Tartaric Acid Esters of Mono- and Diglycerides, 369
Diacylglycerol Oil, 371
 Diallyl disulfide, 41
 Diallyl sulfide, 49
 2,6-Diaminohexanoic Acid Hydrochloride, 703
 Diammonium Hydrogen Citrate, 59
 Diammonium Hydrogen Phosphate, 61
 Diammonium Peroxydisulfate, 60
 Diammonium Phosphate, 61
 Diaquo bis(glycinato) iron (II), 478
 Diastase Activity, 1375
Diatomaceous Earth, 373
 Diatomaceous Silica, 373
 Diatomite, 373
Dibenzyl Ether, 373
 2,6-Di-*tert*-butyl-*p*-cresol, 140
 Dicalcium Phosphate, 210
 Dicarboxylic Acid, 386
 1,6-Dichloro-1,6-dideoxy- β -D-fructofuranosyl-4-chloro-4-deoxy- α -D-galactopyranoside, 1123
 1,2-Dichloroethane, 453
 Dichloromethane, 789
 Dichlorophenol-Indophenol TS, 1562
 2,3-Didehydro-L-threo-hexono-1,4-lactone-6-stearate, 90
 Dietary Fiber from Beets, 1133
1,2-Di[(1'-ethoxy)ethoxy]propane, 374
 Diethylene Glycol and Ethylene Glycol in Glycerin, 1463
 Diethylene Imidoxide, 806
 Diethylene Oximide, 806
Diethyl Malonate, 374
Diethyl Sebacate, 375
Diethyl Succinate, 375
 Differentiation of Plant Oils Using Chemical Markers, 1409
 Dihydroanethole, 977
Dihydrocarveol, 376
(+)-Dihydrocarvone, 377
d-Dihydrocarvone, 377
 Dihydrocoumarin, 120
 2,3-Dihydro-3-oxobenziso-sulfonazole Monohydrate, 964
 (3*S*,3'*S*)-3,3'-Dihydroxy- β , β -carotene-4,4'-dione, 96
 3 α ,12 α -Dihydroxycholic Acid, 356
 2,7-Dihydroxynaphthalene TS, 1562
 2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4*H*-chromen-4-one-3-yl 6-O- α -L-rhamnopyranosyl- β -D-glucoside, 1015
 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4*H*-1-benzopyran-4-one, 990
 1,2-Dihydroxypropane, 982
 1,3-Dihydroxypropane, 973
 4,4'-Diketo- β -carotene, 226
Dilauryl Thiodipropionate, 377
 Dill Herb Oil, American Type, 380
 Dill Oil, 380
 Dill Oil, Indian Type, 379
Dill Seed Oil, European Type, 378
 Dill Seed Oil, Indian, 379
Dill Seed Oil, Indian Type, 379
Dillseed Oleoresin, 1108
Dillweed Oil, American Type, 380
 Dimagnesium Phosphate, 712
 2,3-Dimercaptobutane, 166
 1,2-Dimethoxy-4-allylbenzene, 772
 3,4-Dimethoxybenzaldehyde, 1210
 1,1-Dimethoxy-2-benzylideneheptane, 70
 (2-(Dimethoxymethyl)-1-heptenyl)benzene, 70
2,6-Dimethoxy Phenol, 381
 2,5-Dimethyl-3-acetylfuran, 16
 6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane, 913
 3,7-Dimethyl-1,6-octadien-3-ol, 682
cis-3,7-Dimethyl-2,6-octadien-1-ol, 816
E-3,7-Dimethyl-2,6-octadien-1-ol, 502
trans-3,7-Dimethyl-2,6-octadien-1-ol, 502
 3,7-Dimethyl-2,6-octadien-1-yl Acetate, 504, 684
cis-3,7-Dimethyl-2,6-octadien-1-yl Acetate, 817
 3,7-Dimethyl-1,6-octadien-3-yl Benzoate, 505, 685
 3,7-Dimethyl-2,6-octadien-1-yl Butyrate, 506
 3,7-Dimethyl-1,6-octadien-3-yl Formate, 507, 686
 3,7-Dimethyl-6-octadien-3-yl Isobutyrate, 687
 3,7-Dimethyl-2,6-octadien-1-yl Phenylacetate, 509
 3,7-Dimethyl-2,6-octadien-1-yl Propionate, 510
 3,7-Dimethyl-6-octadien-3-yl Propionate, 688
 3,7-Dimethyl-3-octanol, 1161
 3,7-Dimethyl-6-octen-1-ol, 299
 3,7-Dimethyl-6-octen-1-ol, 300
 3,7-Dimethyl-6-octen-1-yl Acetate, 300
 3,7-Dimethyl-6-octen-1-yl Butyrate, 301
 3,7-Dimethyl-6-octen-1-yl Formate, 302

- 3,7-Dimethyl-6-octen-1-yl Isobutyrate, 303
 3,7-Dimethyl-6-octen-1-yl Propionate, 304
Dimethyl Anthranilate, 382
Dimethyl Benzyl Carbinol, 382
Dimethyl Benzyl Carbinyl Acetate, 383
Dimethyl Benzyl Carbinyl Butyrate, 384
 N-[N-(3,3-Dimethylbutyl)-L- α -aspartyl]-L-phenylalanine 1-Methyl Ester, 814
3,4-Dimethyl 1,2-Cyclopentandione, 385
Dimethyl Dicarboxylate, 386
 Dimethyl diketone, 369
 Dimethyl Ester, 386
 Dimethylglyoxal, 369
2,6-Dimethyl-5-heptenal, 387
 Dimethylketol, 13
 Dimethyl Ketone, 13
 Dimethyl Octanol, 388
3,7-Dimethyl-1-octanol, 388
 α,α -Dimethylphenethyl Acetate, 383
 α,α -Dimethylphenethyl Alcohol, 382
 α,α -Dimethylphenethyl Butyrate, 384
Dimethylpolysiloxane, 390
 Dimethylpolysiloxane Viscosity, 1284
2,3-Dimethylpyrazine, 390
2,5-Dimethylpyrazine, 391
2,6-Dimethylpyrazine, 392
 Dimethyl Pyrocarbonate, 386
2,5-Dimethylpyrrole, 393
 Dimethyl Silicone, 390
Dimethyl Succinate, 389
Dimethyl Sulfide, 389
Diocetyl Sodium Sulfosuccinate, 394
 Diodium 2-(1,3-dioxo-2-indanyl)-6,8-quinolinesulfates, 993
 1,4-Dioxane Limit Test, 1322
 Diphenyl, 147
 Diphenylamine TS, 1562
 Diphenylcarbazone TS, 1562
Diphenyl Ether, 396
 Diphenyl Ketone, 122
 Di(phenylmethyl)disulfide, 127
 Diphenyl Oxide, 396
 Dipotassium Monophosphate, 960
 Dipotassium Phosphate, 960
 α,α -Dipyridyl TS, 1562
 Direct Aqueous Acid Base Titrations (Flavor Chemicals Other Than Essential Oils), 1455
 Direct Aqueous Alcoholic Acid Base Titrations (Flavor Chemicals Other Than Essential Oils), 1455
 Direct Titration (for Water), 1287
 Disodium
 (Ethylenedinitrilo)tetraacetate, 397
 Disodium 5'-Guanylate, 398
 Disodium 5'-Inosinate, 399
Disodium 5'-Uridylate, 399
 Disodium Dihydrogen Diphosphate, 1040
 Disodium Dihydrogen Pyrophosphate, 1040
 Disodium 4,4'-(2,4-dihydroxy-5-hydroxymethyl-1,3-phenylene-bisazo) di-1-naphthalene-sulfonate, 158
 Disodium DL-Malate, 1072
 Disodium Edetate, 397
Disodium EDTA, 397
 Disodium EDTA, 0.05 M, 1566
 Disodium Ethylenediaminetetraacetate, 397
 Disodium Guanosine 5'-monophosphate, 398
Disodium Guanylate, 398
Disodium Inosinate, 399
 Disodium Inosine 5'-monophosphate, 399
 DL-Disodium Malate, 1072
 Disodium Monohydrogen Phosphate, 1079
 Disodium Phosphate, 1079
 Disodium Pyrophosphate, 1040
 Disodium 2-(2-quinolyl)-indan-1,3-dionedisulfonates, 993
 Disodium selenate, 1088
 Disodium Tartrate, 1092
 Disodium L-Tartrate, 1092
 Disodium uridine 5'-monophosphate, 399
 Distillation Range, 1275
 3,3'-Dithiobis(2-aminopropanoic acid), 341
 Dithizone, 1570
 Dithizone Method (for Lead), 1327
 Dithizone TS, 1562
 DMDC, 386
 Docosate Sodium, 394
 δ -**Dodecalactone**, 402
 γ -**Dodecalactone**, 403
 Dodecanal, 665
 Dodecanoic Acid, 664
 Dodecanoic Acid, Butyl Ester, 175
 1-Dodecanol, 664
(E)-2-Dodecen-1-al, 403
trans-2-Dodecen-1-al, 403
 Dorinone, 346
 Dried Glucose Syrup, 521
 Dried Yeast, 1228
 DSS, 394
- E**
- E. Coli**, 1485
 Edible Gelatin, 499
 Electrolytic Iron, 598
 Elemental Impurities by ICP, 1350
 Emulsifier YN, 62
 Enanthic Alcohol, 555
 Encianina, 540
 Enterobacteria Enrichment Broth Mossel, 1459
Enterobacter Sakazakii (*Cronobacter SPP.*), 1462
Enterococci, 1488
 Enzyme-Hydrolyzed (Source) Protein, 867
Enzyme-Modified Fats, 408
 Enzyme-Modified (Source) Protein, 867
 Enzyme Assays, 1366
 Acid Phosphatase Activity, 1369
 Aminopeptidase Activity, 1370
 α -Amylase Activity (Bacterial), 1372
 α -Amylase Activity (Nonbacterial), 1371
 Amyloglucosidase Activity, 1378
 Catalase Activity, 1373
 Cellulase Activity, 1373
 Chymotrypsin Activity, 1375
 Diastase Activity, 1375
 α -Galactosidase Activity, 1376
 β -Glucanase Activity, 1377
 Glucoamylase Activity, 1378
 Glucose Isomerase Activity, 1379
 Glucose Oxidase Activity, 1380
 Hemicellulase Activity, 1381
 Invertase Sumner Unit Activity, 1382
 Lactase (Acid) Activity, 1384
 Lactase (Neutral) Activity, 1383
 Lipase (Microbial) Activity for Medium- and Long-Chain Fatty Acids, 1386
 Lipase Activity, 1385
 Lysozyme Activity, 1387
 Maltogenic Amylase Activity, 1388
 Milk-Clotting Activity, 1388
 Pancreatin Activity, 1389
 Pepsin Activity, 1391
 Phospholipase A₂ Activity, 1392
 Phytase Activity, 1392
 Plant Proteolytic Activity, 1394
 Proteolytic Activity, Bacterial (PC), 1395
 Proteolytic Activity, Fungal (HUT), 1395
 Proteolytic Activity, Fungal (SAP), 1396
 Pullulanase Activity, 1397
 Transglutaminase Activity, 1398
 Trypsin Activity, 1399
Enzyme Preparations, 404
 Enzyme Preparations Used in Food Processing, 1366
 Eosin Y TS, 1562
 1,8 Epoxy-*p*-menthane, 454
 Epoxypropane, 984
 Epsom Salt, 716
 Equisetic Acid, 24
 Ergocalciferol, 1213
 Eriochrome Black T, 1570
 Eriochrome Black TS, 1562
Erythorbic Acid, 409
Erythritol, 409
meso-Erythritol, 409
Erythrosine, 410, 462
 Essential Oils and Flavors, Tests and Assays, 1401
 Acetals, 1401
 Acid Value, 1401
 Aldehydes, 1401
 Aldehydes and Ketones, 1401
 Chlorinated Compounds, 1402
 Esters, 1402
 Linalool Determination, 1403

Percentage of Cineole, 1404
 Phenols, 1404
 Phenols, Free, 1405
 Residue on Evaporation, 1405
 Solubility in Alcohol, 1405
 Total Alcohols, 1405
 Ultraviolet Absorbance of Citrus Oils, 1406
 Volatile Oil Content, 1406
 Ester Determination (Essential Oils and Flavors), 1402
 Ester Gum, 526, 531
 Esters (Essential Oils and Flavors), 1402
 Ester Value (Essential Oils and Flavors), 1403
Estragole, 412
 Estragon Oil, 1147
 Ethanal, 10
 Ethanol, 417
 Ethanol (Reagent), 5
 Ether Extracts (Color Additive Assays), 1340
Ethone, 412
p-Ethoxychrysoidin TS, 1562
p-Ethoxychrysoidin Monohydrochloride, 1570
 6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline, 414
 3-Ethoxy-4-hydroxybenzaldehyde, 450
 1-Ethoxy-2-hydroxy-4-propenylbenzene, 973
Ethoxylated Mono- and Diglycerides, 413
Ethoxyquin, 414
Ethyl Acetate, 415
Ethyl Acetoacetate, 415
Ethyl Acrylate, 416
Ethyl Alcohol, 417
 Ethyl Alcohol (Reagent), 5
 Ethyl *o*-Aminobenzoate, 419
Ethyl *p*-Anisate, 418
Ethyl Anthranilate, 419
Ethyl Benzoate, 420
Ethyl Benzoyl Acetate, 421
Ethyl-(*E*)-2-Butenoate, 450
 Ethyl-*trans*-2-butenate, 450
 Ethyl Butyl Ketone, 553
2-Ethylbutyraldehyde, 451
Ethyl Butyrate, 421
2-Ethylbutyric Acid, 451
 Ethyl Caprate, 424
 Ethyl Caproate, 429
 Ethyl Capronate, 429
 Ethyl Caprylate, 443
Ethyl Cellulose, 422
Ethyl Cinnamate, 424
 Ethyl Citrate, 1189
 Ethyl Crotonate, 450
Ethyl Decanoate, 424
2-Ethyl-3,5(6)-dimethylpyrazine, 425
 Ethyl Dodecanoate, 434
Ethylene Brassylate, 452
trans-1,2-Ethylenedicarboxylic Acid, 491
Ethylene Dichloride, 453

Ethylene Trichloride, 1188
 Ethyl ester of *p*-hydroxybenzoic acid, 453
2-Ethyl Fenchol, 426
Ethyl Formate, 427
 5-*N*-Ethyl-L-glutamine, 1163
4-Ethyl Guaiacol, 427
Ethyl Heptanoate, 428
 Ethyl Heptanoate, 428
Ethyl Hexanoate, 429
2-Ethyl Hexanol, 430
 2-Ethyl-1-hexanol, 430
 Ethyl *p*-Hydroxybenzoate, 453
5-Ethyl 3-Hydroxy 4-Methyl 2(5H)-Furanone, 430
 Ethyl 2-Hydroxypropionate, 433
 2-Ethyl-3-hydroxy-4-pyrone, 436
Ethyl Isobutyrate, 431
Ethyl Isovalerate, 432
Ethyl Lactate, 433
Ethyl Laurate, 434
Ethyl Lauroyl Arginate, 434
Ethyl Levulinate, 436
 Ethyl Malonate, 374
Ethyl Maltol, 436
 Ethyl *p*-Methoxybenzoate, 418
 Ethyl 3-Methylbutyrate, 432
Ethyl 2-Methylbutyrate, 437
Ethyl 2-Methylpentanoate, 437
Ethyl Methylphenylglycidate, 438
2-Ethyl-3-Methylpyrazine, 439
Ethyl 3-Methylthiopropionate, 440
Ethyl Myristate, 441
 Ethyl-*N*^α-Dodecanoyl-L-Arginate • HCl, 434
 Ethyl-*N*^α-Lauroyl-L-Arginate • HCl, 434
Ethyl Nonanoate, 442
 Ethyl 9-Octadecenoate, 444
Ethyl Octanoate, 443
 Ethyl Octoate, 443
Ethyl Oleate, 444
 Ethyl *p*-oxybenzoate, 453
 Ethyl 3-Oxybutanoate, 415
Ethyl Oxyhydrate (So-Called), 444
Ethylparaben, 453
 Ethyl Pelargonate, 442
 Ethyl *n*-Pentanoate, 449
Ethyl Phenylacetate, 444
Ethyl Phenylglycidate, 445
 Ethyl 3-Phenylpropionate, 424
Ethyl Propionate, 446
3-Ethyl Pyridine, 447
Ethyl Salicylate, 448
 Ethyl Sebacate, 375
 Ethyl Succinate, 375
Ethyl 10-Undecenoate, 449
Ethyl Valerate, 449
Ethyl Vanillin, 450
Eucalyptol, 454
Eucalyptus Oil, 455
 Eugenic Acid, 456
Eugenol, 456
 Eugenol Acetate, 456
Eugenyl Acetate, 456
 Eugenyl Methyl Ether, 772
Euphasia superba Oil, 637
 Exaltolide, 876

Expanded Perlite, 881

F

Farnesol, 457
Fast Green, 458
 Fast Green FCF, 458, 461
 Fats and Related Substances, 1408
 Acetyl Value, 1408
 Acid Value, 1408
 Anisidine Value, 1408
 Chlorophyll, 1409
 Cold Test, 1409
 Color (AOCS-Wesson), 1409
 Differentiation of Plant Oils Using Chemical Markers, 1409
 Fatty Acid Composition, 1413
 Fatty Acid Composition (Saturated, *cis*-Monosaturated, and *cis*-Polyunsaturated) in Oils Containing Long Chain Polyunsaturated Fatty Acids, 1413
 Free Fatty Acids, 1416
 Free Glycerin or Propylene Glycol, 1416
 Hexane-Insoluble Matter, 1417
 Hydroxyl Value, 1417
 Iodine Value, 1418
 Lovibond Color, 1411
 Melting Range, 1418
 1-Monoglycerides, 1418
 Oxyethylene Determination, 1420
 Peroxide Value, 1421
 Reichert-Meissl Value, 1421
 Saponification Value, 1422
 Soap, 1423
 Specific Gravity, 1423
 Stability, 1423
 Tocopherols, 1424
 Total Monoglycerides, 1419
 Unsaturation Matter, 1425
 Volatile Acidity, 1426
 Fatty Acid Composition, 1413
 Fatty Acid Composition (Saturated, *cis*-Monosaturated, and *cis*-Polyunsaturated) in Oils Containing Long Chain Polyunsaturated Fatty Acids, 1413
 Fatty Acids, Free, 1416
 FCC in the U.S. Code of Federal Regulations, 1685
 FCC Specifications, 2
FD&C Blue No. 1, 459
FD&C Blue No. 2, 460
FD&C Green No. 3, 461
FD&C Red No. 3, 462
FD&C Red No. 40, 462
FD&C Yellow No. 5, 463
FD&C Yellow No. 6, 464
 Federal Regulations
 FCC in the U.S. Code of, 1685
 Fehling's Solution, 1562
 FEMA number, 2
(+)-Fenchone, 464
d-Fenchone, 464
Fenchyl Alcohol, 465

- Fennel Oil**, 466
Fennel Oleoresin, 1108
Ferric Ammonium Citrate, Brown, 467
Ferric Ammonium Citrate, Green, 468
 Ferric Ammonium Sulfate TS, 1562
 Ferric Chloride TS, 1562
 Ferric Chloride TS, Alcoholic, 1562
Ferric Citrate, 469
 Ferric Orthophosphate, 470
Ferric Phosphate, 470
Ferric Pyrophosphate, 472
 Ferric Sulfate TS, Acid, 1562
 Ferroun TS, 1562
Ferrous Ammonium Phosphate, 474
 Ferrous Ammonium Sulfate, 0.1 N, 1566
 Ferrous Bisglycinate, 478
Ferrous Citrate, 475
Ferrous Fumarate, 475
Ferrous Gluconate, 477
Ferrous Glycinate, 478
Ferrous Lactate, 479
Ferrous Sulfate, 480
Ferrous Sulfate, Dried, 481
 Ferrous Sulfate TS, 1562
 FHMO, 735
 Ficin, 405, 1367
 "Filtration", Defined, 4
Fir Needle Oil, Canadian Type, 482
Fir Needle Oil, Siberian Type, 483
 Fischer-Tropsch Paraffin, 864
 Flame Atomic Absorption Spectrophotometric Method (for Lead), 1328
 Flavin Mononucleotide, Sodium Salt, 1007
 Flavor Chemicals, Tests and Assays, 1452
 Acidity Determination by Iodometric Method (M-5), 1455
 Alcohol Content of Ethyl Oxyhydrate (M-4), 1455
 Assay by Gas Chromatography (M-1), 1452
 Assay by Titrimetric Procedures (M-3), 1455
 Aldehydes and Ketones (M-2), 1453
 Limit Test for Antioxidants in Ethyl Acrylate (M-6), 1456
 Limit Test for Hydrocarbons in Eugenol (M-7), 1457
 Limit Test for Hydrocyanic Acid in Benzaldehyde (M-8), 1457
 Limit Test for Lead (M-9), 1457
 Limit Test for Methyl Compounds in Ethyl Acetate (M-10), 1457
 Limit Test for Peroxide Value (M-11), 1457
 Limit Test for Readily Carbonizable Substances in Ethyl Acetate (M-12), 1457
 Limit Test for Readily Oxidizable Substances in *dl*-Menthol (M-13), 1457
 Limit Test for Reducing Substances (M-14), 1458
 Acid Value (M-15), 1458
 Residue on Evaporation (M-16), 1458
 Qualitative Test for Phenols Using Ferric Chloride (M-17), 1458
Flavoring Agents
 Acetaldehyde, 10
 Acetaldehyde Diethyl Acetal, 10
 Acetanilide, 11
 Acetoin Dimer, 12
 Acetoin Monomer, 13
 Acetophenone, 15
 3-Acetyl-2,5-dimethyl Furan, 16
 2-Acetylpyrazine, 19
 3-Acetylpyridine, 20
 2-Acetylpyrrole, 21
 2-Acetyl Thiazole, 17
 Allyl Cyclohexanepropionate, 40
 Allyl Heptanoate, 41
 Allyl Hexanoate, 42
 Allyl α -Ionone, 43
 Allyl Isothiocyanate, 44
 Allyl Isovalerate, 45
 Allyl Phenoxy Acetate, 47
 Allyl Propionate, 48
 Almond Oil, Bitter, FFPA, 49
 Ambrette Seed Oil, 55
 Ammoniated Glycyrrhizin, 56
 1-Amyl Alcohol, 67
 Amyl Butyrate, 67
 α -Amylcinnamaldehyde, 69
 Amyl Formate, 67
 Amyl Heptanoate, 67
 Amyl Octanoate, 68
 Amyl Propionate, 68
 Amyris Oil, West Indian Type, 72
 Anethole, 73
 Angelica Root Oil, 73
 Angelica Seed Oil, 74
 Anise Oil, 75
 Anisole, 76
 Anisyl Acetate, 77
 Anisyl Alcohol, 78
 Anisyl Formate, 79
 Balsam Peru Oil, 111
 Basil Oil, Comoros Type, 112
 Basil Oil, European Type, 113
 Bay Oil, 114
 Benzaldehyde, 118
 Benzaldehyde Glyceryl Acetal, 118
 1,2-Benzodihydropyrone, 120
 Benzophenone, 122
 Benzyl Acetate, 123
 Benzyl Alcohol, 125
 Benzyl Benzoate, 125
 Benzyl Butyrate, 126
 Benzyl Cinnamate, 126
 Benzyl Formate, 127
 Benzyl Isobutyrate, 129
 Benzyl Isovalerate, 129
 Benzyl Phenylacetate, 131
 Benzyl Propionate, 132
 Benzyl Salicylate, 133
 Bergamot Oil, Coldpressed, 134
 Birch Tar Oil, Rectified, 147
 Black Pepper Oil, 149
 Bois de Rose Oil, 151
 Borneol, 152
 Bornyl Acetate, 153
 2-Butanone, 166
 Butan-3-one-2-yl Butanoate, 167
 Butyl Acetate, 168
 Butyl Alcohol, 168
 Butyl Butyrate, 169
 Butyl Butyryllactate, 170
 2-*sec*-Butyl Cyclohexanone, 171
 Butyl Isobutyrate, 173
 Butyl Isovalerate, 174
 Butyl 2-Methyl Butyrate, 175
 Butyl Phenylacetate, 177
 Butyl Stearate, 178
 Butyraldehyde, 180
 Butyric Acid, 181
 γ -Butyrolactone, 181
 Caffeine, 182
 Camphene, 222
 (+)-Camphor, 222
 Cananga Oil, 223
 Caraway Oil, 230
 Cardamom Oil, 236
 Carrot Seed Oil, 254
 Carvacrol, 256
 (-)-Carveol, 257
 (+)-Carvone, 258
 (-)-Carvone, 259
 (-)-Carvyl Acetate, 260
 β -Caryophyllene, 261
 Cascarella Oil, 262
 Cassia Oil, 264
 Cedar Leaf Oil, 265
 Celery Seed Oil, 266
 Chamomile Oil, English Type, 273
 Chamomile Oil, German Type, 274
 Cinnamaldehyde, 284
 Cinnamic Acid, 285
 Cinnamon Bark Oil, Ceylon Type, 285
 Cinnamon Leaf Oil, 286
 Cinnamyl Acetate, 287
 Cinnamyl Alcohol, 288
 Cinnamyl Butyrate, 289
 Cinnamyl Cinnamate, 290
 Cinnamyl Formate, 291
 Cinnamyl Isobutyrate, 292
 Cinnamyl Isovalerate, 293
 Cinnamyl Propionate, 294
 Citral, 295
 Citronellal, 299
 Citronellol, 300
 Citronellyl Acetate, 300
 Citronellyl Butyrate, 301
 Citronellyl Formate, 302
 Citronellyl Isobutyrate, 303
 Citronellyl Propionate, 304
 Clary Oil, 305
 Clove Leaf Oil, 306
 Clove Oil, 307
 Clove Stem Oil, 308
 Cognac Oil, Green, 311
 Copaiba Oil, 312
 Coriander Oil, 317
 Costus Root Oil, 319

- p*-Cresyl Acetate, 321
 Cubeb Oil, 323
 Cuminaldehyde, 325
 Cumin Oil, 324
 Cyclamen Aldehyde, 327
 Cyclohexyl Acetate, 339
p-Cymene, 339
 (*E*),(*E*)-2,4-Decadienal, 349
 δ -Decalactone, 349
 γ -Decalactone, 350
 Decanal, 351
 (*E*)-2-Decenal, 352
 (*Z*)-4-Decenal, 353
 Decyl Alcohol, 355
 Diacetyl, 369
 Dibenzyl Ether, 373
 Diethyl Malonate, 374
 Diethyl Sebacate, 375
 Diethyl Succinate, 375
 Dihydrocarveol, 376
 (+)-Dihydrocarvone, 377
 Dill Seed Oil, European Type, 378
 Dill Seed Oil, Indian Type, 379
 Dillweed Oil, American Type, 380
 2,6-Dimethoxy Phenol, 381
 3,7-Dimethyl-1-octanol, 388
 2,6-Dimethyl-5-heptenal, 387
 3,4-Dimethyl 1,2-Cyclopentandione, 385
 Dimethyl Anthranilate, 382
 Dimethyl Benzyl Carbinol, 382
 Dimethyl Benzyl Carbonyl Acetate, 383
 Dimethyl Benzyl Carbonyl Butyrate, 384
 2-Ethyl-3,5(6)-dimethylpyrazine, 425
 2,3-Dimethylpyrazine, 390
 2,5-Dimethylpyrazine, 391
 2,6-Dimethylpyrazine, 392
 2,5-Dimethylpyrrole, 393
 Dimethyl Succinate, 389
 Dimethyl Sulfide, 389
 Diphenyl Ether, 396
 1,2-Di[(1'-ethoxy)ethoxy]propane, 120
 δ -Dodecalactone, 402
 γ -Dodecalactone, 403
 (*E*)-2-Dodecen-1-al, 403
 Enzyme-Modified Fats, 408
 Estragole, 412
 Ethone, 412
 Ethyl Acetate, 415
 Ethyl Acrylate, 416
 Ethyl *p*-Anisate, 418
 Ethyl Anthranilate, 419
 Ethyl Benzoate, 420
 Ethyl Benzoyl Acetate, 421
 Ethyl-(*E*)-2-butenate, 450
 2-Ethylbutyraldehyde, 451
 Ethyl Butyrate, 421
 2-Ethylbutyric Acid, 451
 Ethyl Cinnamate, 424
 Ethyl Decanoate, 424
 2-Ethyl Fenchol, 426
 Ethyl Formate, 427
 4-Ethyl Guaiacol, 427
 Ethyl Heptanoate, 428
 Ethyl Hexanoate, 429
 2-Ethyl Hexanol, 430
 5-Ethyl 3-Hydroxy 4-Methyl 2(5*H*)-Furanone, 430
 Ethyl Isobutyrate, 431
 Ethyl Isovalerate, 432
 Ethyl Lactate, 433
 Ethyl Laurate, 434
 Ethyl Levulinate, 436
 Ethyl 2-Methylbutyrate, 437
 Ethyl 2-Methylpentanoate, 437
 Ethyl Methylphenylglycidate, 438
 2-Ethyl-3-methylpyrazine, 439
 Ethyl 3-Methylthiopropionate, 440
 Ethyl Myristate, 441
 Ethyl Nonanoate, 442
 Ethyl Octanoate, 443
 Ethyl Oleate, 444
 Ethyl Oxhydrate (so-called), 444
 Ethyl Phenylacetate, 444
 Ethyl Phenylglycidate, 445
 Ethyl Propionate, 446
 3-Ethyl Pyridine, 447
 Ethyl Salicylate, 448
 Ethyl 10-Undecenoate, 449
 Ethyl Valerate, 449
 Ethyl Vanillin, 450
 Ethylene Brassylate, 452
 Eucalyptol, 454
 Eucalyptus Oil, 455
 Eugenol, 456
 Eugenyl Acetate, 456
 Farnesol, 457
 (+)-Fenchone, 464
 Fenchyl Alcohol, 465
 Fennel Oil, 466
 Fir Needle Oil, Canadian Type, 482
 Fir Needle Oil, Siberian Type, 483
 Furfural, 493
 Furfuryl Alcohol, 495
 Furfuryl Mercaptan, 496
 2-Furyl Methyl Ketone, 496
 Fusel Oil, Refined, 497
 Garlic Oil, 498
 Geraniol, 502
 Geranium Oil, Algerian Type, 503
 Geranyl Acetate, 504
 Geranyl Benzoate, 505
 Geranyl Butyrate, 506
 Geranyl Formate, 507
 Geranyl Isovalerate, 508
 Geranyl Phenylacetate, 509
 Geranyl Propionate, 510
 Ginger Oil, 512
 Glyceryl Tripropanoate, 536
 Grapefruit Oil, Coldpressed, 541
 (*E*),(*E*)-2,4-Heptadienal, 549
 γ -Heptalactone, 549
 Heptanal, 550
 2,3-Heptanedione, 551
 2-Heptanone, 552
 3-Heptanone, 553
 (*Z*)-4-Hepten-1-al, 554
 Heptyl Alcohol, 555
 γ -Hexalactone, 559
 Hexanal, 560
 Hexanoic Acid, 561
 (*E*)-2-Hexen-1-al, 562
 (*E*)-2-Hexen-1-ol, 562
 (*Z*)-3-Hexenol, 562
 (*E*)-2-Hexenyl Acetate, 563
 (*Z*)-3-Hexenyl Acetate, 564
 (*Z*)-3-Hexenyl Butyrate, 565
 (*Z*)-3-Hexenyl Formate, 565
 (*Z*)-3-Hexenyl Isovalerate, 566
 (*Z*)-3-Hexenyl 2-Methylbutyrate, 566
 Hexyl Acetate, 567
 Hexyl Alcohol, 568
 Hexyl-2-butenate, 568
 Hexyl Butyrate, 569
 Hexyl Hexanoate, 570
 Hexyl Isovalerate, 571
 Hexyl 2-Methylbutyrate, 571
 α -Hexylcinnamaldehyde, 572
 Hops Oil, 578
 Hydroxycitronellal, 584
 Hydroxycitronellal Dimethyl Acetal, 584
 4-Hydroxy-2,5-dimethyl-3(2*H*)-furanone, 585
 6-Hydroxy-3,7-dimethyloctanoic Acid Lactone, 586
 4-(*p*-Hydroxyphenyl)-2-butanone, 587
 Indole, 591
 α -Ionone, 594
 β -Ionone, 595
 Isoamyl Acetate, 601
 Isoamyl Alcohol, 602
 Isoamyl Benzoate, 602
 Isoamyl Butyrate, 603
 Isoamyl Cinnamate, 604
 Isoamyl Formate, 605
 Isoamyl Hexanoate, 606
 Isoamyl Isobutyrate, 607
 Isoamyl Isovalerate, 608
 Isoamyl Phenyl Acetate, 608
 Isoamyl Salicylate, 609
 Isoborneol, 610
 Isobornyl Acetate, 611
 Isobutyl Acetate, 613
 Isobutyl Alcohol, 613
 Isobutyl-2-butenate, 620
 Isobutyl Butyrate, 614
 Isobutyl Cinnamate, 615
 Isobutyl Formate, 616
 Isobutyl Hexanoate, 617
 Isobutyl Phenylacetate, 618
 Isobutyl Salicylate, 619
 Isobutyraldehyde, 623
 Isobutyric Acid, 623
 Isoeugenol, 624
 Isoeugenyl Acetate, 625
 Isopropyl Acetate, 630
 Isopulegol, 632
 Isovaleric Acid, 633
 Juniper Berries Oil, 633
 Labdanum Oil, 642
 Laurel Leaf Oil, 663
 Lauryl Alcohol, 664
 Lauryl Aldehyde, 665
 Lavandin Oil, Abrial Type, 666
 Lavender Oil, 667
 Lemongrass Oil, 673

- Lemon Oil, Coldpressed, 670
 Lemon Oil, Desert Type, Coldpressed, 671
 Lemon Oil, Distilled, 672
 Levulinic Acid, 676
 Lime Oil, Coldpressed, 676
 Lime Oil, Distilled, 678
 (+)-Limonene, 680
 (-)-Limonene, 681
 Linaloe Wood Oil, 681
 Linalool, 682
 Linalool Oxide, 683
 Linalyl Acetate, 684
 Linalyl Benzoate, 685
 Linalyl Formate, 686
 Linalyl Isobutyrate, 687
 Linalyl Propionate, 688
 Lovage Oil, 694
 Mace Oil, 703
 Maltol, 724
 Maltol Isobutyrate, 724
 Mandarin Oil, Coldpressed, 725
 Marjoram Oil, Spanish Type, 732
 Marjoram Oil, Sweet, 733
 Mentha Arvensis Oil, Partially Dementholized, 742
 Menthol, 743
 (-)-Menthone, 744
 (-)-Menthyl Acetate, 745
l-Menthyl Acetate, 745
 Menthyl Acetate, Racemic, 745
 2-Mercaptopropionic Acid, 745
 2-Methoxy-3(5)-methylpyrazine, 748
 2-Methoxy 3-(or 5- or 6-) Isopropyl Pyrazine, 748
p-Methoxybenzaldehyde, 749
 4-*p*-Methoxyphenyl-2-butanone, 795
 2-Methoxypyrazine, 750
 Methyl Acetate, 765
 4-Methyl Acetophenone, 756
p-Methyl Anisole, 753
 Methyl Anthranilate, 767
 Methyl Benzoate, 767
 Methylbenzyl Acetate, 783
 α -Methylbenzyl Alcohol, 784
 2-Methyl Butanal, 754
 3-Methyl Butanal, 755
 2-Methylbutyl Acetate, 786
 2-Methylbutyl Isovalerate, 786
 Methyl Butyrate, 768
 2-Methylbutyric Acid, 785
 α -Methylcinnamaldehyde, 788
 Methyl Cinnamate, 768
 6-Methylcoumarin, 751
 Methyl Cyclopentenolone, 769
 5*H*-5-Methyl-6,7-dihydrocyclopenta [6]pyrazine, 758
 Methyl Eugenol, 772
 5-Methyl Furfural, 759
 Methyl Furoate, 772
 6-Methyl-5-hepten-2-one, 760
 Methyl Hexanoate, 773
 Methyl Hexyl Ketone, 774
 Methyl Ionones, 775
 Methyl Isobutyrate, 775
 Methyl Isoeugenol, 776
 5-Methyl-2-isopropyl-2-hexenal, 759
 Methyl Isovalerate, 777
 Methyl 2-Methylbutyrate, 762
 Methyl-3-methylthiopropionate, 782
 Methyl β -Naphthyl Ketone, 761
 Methyl 2-Octynoate, 764
 2-Methylpentanoic Acid, 791
 4-Methylpentanoic Acid, 752
 4-Methyl-2-pentanone, 757
 2-Methyl-2-pentenoic Acid, 755
 Methyl Phenylacetate, 778
 Methyl Phenylcarbinyl Acetate, 779
 5-Methyl 2-Phenyl 2-Hexenal, 758
 2-Methyl Propyl 3-Methyl Butyrate, 754
 2-Methylpyrazine, 792
 Methyl Salicylate, 780
 4-Methyl-5-thiazole Ethanol, 757
 Methyl Thiobutyrate, 780
 3-Methylthiopropionaldehyde, 793
 2-Methylundecanal, 794
 Methyl Valerate, 781
 Monoammonium Glycyrrhizinate, 802
 Mustard Oil, 807
 Myrcene, 808
 Myristaldehyde, 808
 Myristyl Alcohol, 809
 Myrrh Oil, 809
 β -Naphthyl Ethyl Ether, 810
 Nerol, 816
 Nerolidol, 816
 Neryl Acetate, 817
 (*E*),(*E*)-2,4-Nonadienal, 825
 (*E*),(*Z*)-2,6-Nonadienal, 826
 (*E*),(*Z*)-2,6-Nonadienol, 826
 δ -Nonalactone, 827
 γ -Nonalactone, 828
 Nonanal, 828
 Nonanoic Acid, 830
 2-Nonanone, 829
 (*E*)-2-Nonen-1-ol, 830
 (*Z*)-6-Nonen-1-ol, 831
 (*E*)-2-Nonenal, 832
 Nonyl Acetate, 833
 Nonyl Alcohol, 834
 Nutmeg Oil, 835
 δ -Octalactone, 836
 γ -Octalactone, 836
 Octanal, 837
 3-Octanol, 838
 (*E*)-2-Octen-1-ol, 838
 (*Z*)-3-Octen-1-ol, 839
 1-Octen-3-ol, 840
 1-Octen-3-yl Acetate, 841
 1-Octen-3-yl Butyrate, 842
 Octyl Acetate, 842
 3-Octyl Acetate, 842
 Octyl Alcohol, 843
 Octyl Formate, 844
 Octyl Isobutyrate, 846
 Olibanum Oil, 852
 Onion Oil, 853
 Orange Oil, Bitter, Coldpressed, 854
 Orange Oil, Coldpressed, 855
 Orange Oil, Distilled, 856
 Origanum Oil, Spanish Type, 857
 Orris Root Oil, 858
 Palmarosa Oil, 862
 Parsley Herb Oil, 865
 Parsley Seed Oil, 866
 Pennyroyal Oil, 875
 ω -Pentadecalactone, 876
 2,3-Pentanedione, 879
 2-Pentanone, 879
 Peppermint Oil, 880
 Petitgrain Oil, Paraguay Type, 882
 α -Phellandrene, 886
 Phenethyl Acetate, 887
 Phenethyl Alcohol, 888
 Phenethyl Isobutyrate, 889
 Phenethyl Isovalerate, 890
 2-Phenethyl 2-Methylbutyrate, 893
 Phenethyl Phenylacetate, 891
 Phenethyl Salicylate, 892
 Phenoxyethyl Isobutyrate, 893
 3-Phenyl-1-propanol, 896
 Phenyl Ethyl Cinnamate, 894
 Phenyl Ethyl Propionate, 895
 Phenylacetaldehyde, 897
 Phenylacetaldehyde Dimethyl Acetal, 898
 Phenylacetic Acid, 899
 Phenylethyl Anthranilate, 902
 Phenylethyl Butyrate, 902
 2-Phenylpropionaldehyde, 904
 3-Phenylpropionaldehyde, 905
 2-Phenylpropionaldehyde Dimethyl Acetal, 906
 3-Phenylpropyl Acetate, 903
 Pimenta Leaf Oil, 911
 Pimenta Oil, 910
 α -Pinene, 913
 β -Pinene, 913
 Pine Needle Oil, Dwarf, 911
 Pine Needle Oil, Scotch Type, 912
 Piperidine, 914
 Piperonal, 915
 Propenylguaethol, 973
 Propionaldehyde, 974
 Propyl Acetate, 976
 Propyl Alcohol, 976
 p -Propyl Anisole, 977
 Propyl Formate, 978
 Propyl Mercaptan, 980
 Propyl Propionate, 981
 Pyrrole, 989
 Quinine Hydrochloride, 992
 Quinine Sulfate, 992
 Rhodinol, 1003
 Rhodiny Acetate, 1004
 Rhodiny Formate, 1005
 Rose Oil, 1010
 Rosemary Oil, 1013
 Rue Oil, 1014
 Sage Oil, Dalmatian Type, 1019
 Sage Oil, Spanish Type, 1020
 Salicylaldehyde, 1025
 Sandalwood Oil, East Indian Type, 1026
 Santalol, 1027
 Santalyl Acetate, 1028
 Savory Oil (Summer Variety), 1029
 Spearmint Oil, 1106

- Spice Oleosins, 1107
 Spike Lavender Oil, 1109
 Starter Distillate, 1115
 Tangerine Oil, Coldpressed, 1144
 Tarragon Oil, 1147
 Terpinen-4-ol, 1156
 α -Terpinene, 1156
 γ -Terpinene, 1156
 α -Terpineol, 1157
 Terpinyl Acetate, 1157
 Terpinyl Propionate, 1158
 δ -Tetradecalactone, 1159
 Tetrahydrofurfuryl Alcohol, 1160
 Tetrahydrofurfuryl Alcohol, 1160
 2,3,5,6-Tetramethylpyrazine, 1161
 Thyme Oil, 1167
 Thymol, 1168
 Tolualdehyde, Mixed Isomers, 1182

p-Tolualdehyde, 1182

p-Tolyl Isobutyrate, 1183
 Tributyrin, 1188
 2-Tridecanone, 1186
 2-Tridecenal, 1186
 Trimethylamine, 1190
 2,4,5-Trimethyl δ -3-Oxazoline, 1189
 3,5,5-Trimethyl Hexanal, 1190
 2,3,5-Trimethylpyrazine, 1190
 δ -Undecalactone, 1196
 γ -Undecalactone, 1197
 Undecanal, 1197
 2-Undecanone, 1199
 1,3,5-Undecatriene, 1198
 10-Undecenal, 1200
 (*E*)-2-Undecenol, 1201
 Undecyl Alcohol, 1202
 Valeraldehyde, 1204
 Valeric Acid, 1204
 γ -Valerolactone, 1205
 Vanillin, 1206
 Veratraldehyde, 1210
 Wintergreen Oil, 1222
 Zingerone, 1237

Flowers of sulfur, 1135
 Fluorescence Spectroscopy, 1602
 Fluoride Limit Test, 1324
Folic Acid, 484
 Food-Grade Gelatin, 499
 Food Fraud Mitigation Guidance, 1505
 Food Green S, 542
 Food Starch-Modified, 485
Food Starch, Modified, 485
Food Starch, Unmodified, 487
 Formaldehyde TS, 1562
Formic Acid, 488
 α -Formylanisole, 75
 Free Cresol (Cresyl Acetate in Flavor Chemicals Other than Essential Oils), 1458
 Free Fatty Acids, 1416
 Free Glycerin or Propylene Glycol, 1416
 Free Phenols (Essential Oils and Flavors), 1405
 Freskomenthe, 171
 β -D-Fructofuranosyl- α -D-glucopyranoside, 1128

Fructooligosaccharides, Short Chain, 489
Fructose, 490
 D-Fructose, 490
 Fruit Sugar, 490
 Fuchsin-Sulfurous Acid TS, 1562
 Fully Hydrogenated Rapeseed Oil, 995
Fumaric Acid, 491
 Function, Statement of, 3
 2-Furaldehyde, 493
 2-Furanmethanol acetate, 494
Furcelleran, 492
Furfural, 493
Furfuryl Acetate, 494
Furfuryl Alcohol, 495
 Furfuryl alcohol, acetate, 494
Furfuryl Mercaptan, 496
 2-Furyl carbonyl acetate, 494
2-Furyl Methyl Ketone, 496
Fusel Oil, Refined, 497

G

β -D-Galactopyranosyl-D-glucitol, 648
 4-O- β -Galactopyranosyl-D-glucose, 658
 α -Galactosidase Activity, 1376
 α -Galactosidase, 1376
 Galam, 1035
 Gallic Acid Propyl Ester, 979
 Gallotannic Acid, 1145
 Gamma-glutamylethylamide, 1163
Garlic Oil, 498
 Gas Chromatography, 1270
 Flavor Chemicals (Other than Essential Oils), 1452
 Gaultheria Oil, 1222
Gelatin, 499
Gellan Gum, 501
 General Guidance for Food
 Ingredients, 1505
 Food Fraud Mitigation Guidance, 1505
 General Information Analytical Techniques, 1590
 Atomic Absorption Spectroscopy, 1598
 Capillary Electrophoresis, 1590
 Fluorescence Spectroscopy, 1602
 Ion Chromatography, 1640
 Mass Spectrometry, 1619
 Mid-Infrared Spectroscopy, 1608
 Near-Infrared Spectroscopy, 1643
 Nuclear Magnetic Resonance, 1625
 Radioactivity, 1634
 Raman Spectroscopy, 1650
 Scoville Heat Units, 1658
 Ultraviolet-Visible Spectroscopy, 1612
 General Information Tables, 1682
 Alcoholometric, 1682
 Atomic Weights, 1684
 Relative Atomic Mass and Half-Lives of Selected Radionucleotides, 1684
 General Provisions and Requirements, 1

General Specifications and Statements, 3
Geraniol, 502
Geranium Oil, Algerian Type, 503
 Geranium Oil, East Indian Type, 862
 Geranium Oil, Turkish Type, 862
Geranyl Acetate, 504
Geranyl Benzoate, 505
Geranyl Butyrate, 506
Geranyl Formate, 507
Geranyl Isovalerate, 508
Geranyl Phenylacetate, 509
Geranyl Propionate, 510
Gibberellic Acid, 511
Ginger Oil, 512
Ginger Oleoresin, 1108
 Glacial Acetic Acid, 12
 GLA Safflower Oil, 576
 Glassy Sodium Polyphosphates, 1082
 Glassy Sodium Potassium Polyphosphates, 1082
 (1-3), (1-6)- β -D-glucan, Poly-(1-6)- β -D-glucopyranosyl-(1,3)- β -D-glucopyranose, 135
 β -Glucanase Activity, 1377
 β -Glucanase, 1377
 D-Glucitol, 1100
 Glucoamylase, 1378
 Glucoamylase Activity, 1378
Gluconic Acid, 513
 D-Gluconic acid, 513
 D-Gluconic Acid, Monopotassium Salt, 953
 Gluconic acid solution, 513
Glucono delta-Lactone, 514
 2-Amino-2-deoxy- β -D-glucopyranose Hydrochloride, 515
 α -D-Glucopyranosyl-1,4-D-glucitol, 721
 α -D-Glucopyranosyl- α -D-glucopyranoside, dihydrate, 1185
Glucosamine Hydrochloride, 515
Glucosamine Sulfate Potassium Chloride, 516
Glucosamine Sulfate Sodium Chloride, 519
 Glucose, 360
 D-Glucose, 2-amino-2-deoxy, Hydrochloride, 515
 D-Glucose, 360
 Glucose Isomerase, 406, 1379
 Glucose Isomerase Activity, 1379
 Glucose Oxidase, 406, 1380
 Glucose Oxidase Activity, 1380
Glucose Syrup, 521
 Glucose Syrup (Corn Syrup), 1444
Glucose Syrup, Dried, 521
 Glucose Syrup Solids, 521
 β -D-Glucosidase, 1367
 (α -D-Glucurono- α -D-manno- β -D-manno- β -D-glucosyl), (α -L-gulurono- β -D-glucosyl), 34
 Gluside, 1017
 Glutamic Acid, 522, 1351
 L-Glutamic acid- γ -monoethylamide, 1163
L-Glutamic Acid Hydrochloride, 522

- L-Glutamic Acid**, 522
L-Glutamine, 523
 Glutaral, 524
Glutaraldehyde, 524
 Gluten, Wheat, 1216
Glycerin, 524
 Glycerin or Propylene Glycol, Free, 1416
 Glycerol, 524
Glycerol Ester of Gum Rosin, 526
Glycerol Ester of Partially Dimerized Rosin, 527
Glycerol Ester of Partially Hydrogenated Gum Rosin, 527
Glycerol Ester of Partially Hydrogenated Wood Rosin, 528
Glycerol Ester of Polymerized Rosin, 529
Glycerol Ester of Tall Oil Rosin, 530
Glycerol Ester of Wood Rosin, 531
 Glycerol Esters of Condensed Castor Oil Fatty Acids, 930
Glyceryl Behenate, 532
Glyceryl-Lacto Esters of Fatty Acids, 537
Glyceryl Monooleate, 533
Glyceryl Monostearate, 534
Glyceryl Palmitostearate, 535
 Glyceryl Triacetate, 1187
 Glyceryl Tribehenate, 532
 Glyceryl Tributyrates, 1188
 Glyceryl Tridocosanoate, 532
Glyceryl Tripropanoate, 536
Glyceryl Tristearate, 536
Glycine, 538
 Glycine, *N*-(aminoiminomethyl)-*N*-Methyl-, Monohydrate, 320
 Glycine betaine, 138
 Glycocol, 538
Gold, 538
 Good Manufacturing Practices
 IFAC Good Manufacturing Practice and QA Audit Guide for Food Additives, 1721
 IFAC Good Manufacturing Practice and QA Guide for Food Additives, 1695
 Graham's Salt, 1082
 Granulated Sugar, 1128
Grapefruit Oil, Coldpressed, 541
 Grapefruit Oil, Expressed, 541
Grape Skin Extract, 540
Green S, 542
 Powdered Decaffeinated Green Tea Extract, 1153
 Ground Limestone, 679
 Guaiac Resin, 547
Guar Gum, 545
 Guidance On Developing And Validating Non-Targeted Methods For Adulteration Detection, 1540
 Guidance Standard For UHPLC-MS/MS Screening Of Nitrogen Containing Adulterants in Milk Ingredients, 1494
 Guidelines for Collaborative Study Procedures To Validate Characteristics of a Method of Analysis, 1578
Gum Arabic, 546
Gum Ghatti, 546
Gum Guaiac, 547
 Gum Tragacanth, 1184
 Gutta hang kang, 734
 Gutta Katiau, 734
H
 Haluronic Acid Na-salt, 1060
 Heliotropine, 915
Helium, 548
 Hemicellulase, 1381
 Hemicellulase Activity, 1381
(E),(E)-2,4-Heptadienal, 549
trans,trans-2,4-Heptadienal, 549
 γ -**Heptalactone**, 549
 Heptaldehyde, 550
Heptanal, 550
2,3-Heptanedione, 551
 Heptanoic acid, 2-methylpropyl ester, 617
 Heptanoic acid, Butyl Ester, 172
 Heptanoic acid, isobutyl ester, 617
2-Heptanone, 552
3-Heptanone, 553
cis-4-Hepten-1-ol, 554
(Z)-4-Hepten-1-ol, 554
Heptyl Alcohol, 555
n-Heptyl-*p*-hydroxybenzoate, 556
Heptylparaben, 556
Hesperidin, 557
 Hexadecanoic Acid, 863
 1-Hexadecanol, 558
 Hexadecan-1-ol, 558
 1-Hexadecylpyridinium Chloride, Monohydrate, 271
 2,4-Hexadienoic Acid, 1095
 2,4-Hexadienoic Acid, Calcium Salt, 218
 2,4-Hexadienoic Acid, Potassium Salt, 966
 Hexahydrobenzoic Acid, 339
cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric Acid, 147
 Hexahydropyridine, 914
 γ -**Hexalactone**, 559
 Hexaldehyde, 560
Hexanal, 560
 Hexane-Insoluble Matter, 1417
 Hexanedioic Acid, 28
 1,2,3,4,5,6-Hexanehexol, 729, 1100
Hexanes, 560
Hexanoic Acid, 561
 Hexanoic Acid, Butyl Ester, 173
 1-Hexanol, 568
(E)-2-Hexen-1-ol, 562
trans-2-Hexen-1-ol, 562
(E)-2-Hexen-1-ol, 562
cis-3-Hexen-1-ol, 562
trans-2-Hexen-1-ol, 562
(Z)-3-Hexenol, 562
(E)-2-Hexenyl Acetate, 563
(Z)-3-Hexenyl Acetate, 564
cis-3-Hexen-1-yl Acetate, 564
trans-2-Hexen-1-yl Acetate, 563
(Z)-3-Hexenyl Butyrate, 565
(Z)-3-Hexenyl Formate, 565
(Z)-3-Hexenyl Isovalerate, 566
cis-3-Hexen-1-yl Isovalerate, 566
(Z)-3-Hexenyl 2-Methylbutyrate, 566
cis-3-Hexenyl 2-Methylbutyrate, 566
Hexyl Acetate, 567
Hexyl Alcohol, 568
 4-Hexyl-1,3-benzenediol, 572
Hexyl-2-butenolate, 568
Hexyl Butyrate, 569
 α -**Hexylcinnamaldehyde**, 572
Hexyl Hexanoate, 570
Hexyl Isovalerate, 571
Hexyl 2-Methylbutyrate, 571
 Hexylresorcinol, 572
4-Hexylresorcinol, 572
High-Fructose Corn Syrup, 574, 1446
 High-Performance Liquid Chromatography, 1272
High Gamma-Linolenic Safflower Oil, 576
High Oleic Soybean Oil (Unhydrogenated), 1106
 High Phospholipid Krill Oil, 637
L-Histidine, 577
L-Histidine Monohydrochloride, 578
 HMO, 735
Hop Oleoresin, 1108
Hops Oil, 578
 HPMC, 588
 Hyaluronic Acid Sodium, 1060
 Hyaluronic Acid Sodium Salt, 1060
 Hydratropic Aldehyde, 904
 Hydratropic Aldehyde Dimethyl Acetal, 906
 Hydrocarbons in Eugenol, Limit Test, 1457
Hydrochloric Acid, 579, 1562
 Hydrochloric Acid, 0.2 M, 1559
 Hydrochloric Acid, 1 N, 1566
 Hydrochloric Acid Buffer, 1559
 Hydrochloric Acid Table, 1291
 Hydrochloric Acid TS, Diluted, 1562
 Hydrocinnamaldehyde, 905
 Hydrocinnamyl Alcohol, 896
 Hydrocyanic Acid in Benzaldehyde, Limit Test, 1457
 Hydrogenated Glucose Syrup, 722
 Hydrogenated Lactose, 648
 Hydrogenated Maltose, 721
Hydrogenated Starch Hydrolysate, 1114
Hydrogen Peroxide, 582
 Hydrogen Peroxide TS, 1562
 Hydrogen Sulfide Detector Tube, 1571
 Hydrogen Sulfide TS, 1562
 α -Hydro-*omega*-hydroxy-poly(oxyethylene)-

- poly(oxypropylene)(51-57 moles)poly(oxyethylene) Block Copolymer, 917
- α -Hydro-*omega*-hydroxy-poly(oxyethylene)-poly(oxypropylene)(63-71 moles)poly(oxyethylene) Block Copolymer, 919
- Hydrolyzable Gallotannin, 1145
- Hydrolyzed Plant Protein (HPP), 21
- Hydrolyzed (Source) Protein Extract, 21
- Hydrolyzed Vegetable Protein (HVP), 21
- Hydroquinone Determination, 1456
- Hydroquinone Monomethyl Ether Determination, 1456
- 2-Hydroxybutanedioic Acid, 717
- Hydroxybutanedioic Acid Disodium Salt, 1072
- 2-Hydroxybutanedioic Acid Monosodium Salt, 1073
- 3-Hydroxy-2-butanone, 13
- Hydroxycitronellal**, 584
- Hydroxycitronellal Dimethyl Acetal**, 584
- 4-Hydroxydecanoic Acid Lactone, 350
- 4-Hydroxy-2,5-Dimethyl-3(2H)-furanone**, 585
- 7-Hydroxy-3,7-dimethyl Octanal, 584
- 7-Hydroxy-3,7-dimethyl Octanal Dimethyl Acetal, 584
- 6-Hydroxy-3,7-dimethyloctanoic Acid Lactone**, 586
- 4-Hydroxydodecanoic Acid Lactone, 403
- (2-Hydroxyethyl)trimethylammonium-L-(+)-tartrate Salt, 280
- (2-Hydroxyethyl)trimethylammonium Chloride, 280
- 4-Hydroxyhexanoic Acid Lactone, 559
- Hydroxylamine Hydrochloride, 0.5 N, 1567
- Hydroxylamine Hydrochloride TS, 1562
- Hydroxylamine Method, 1454
- Flavor Chemicals (Other than Essential Oils), 1454
- Hydroxylamine *tert*-Butyl Alcohol Method, 1453
- Flavor Chemicals (Other than Essential Oils), 1453
- Hydroxylated Lecithin**, 586
- Hydroxyl Value, 1417
- 4-Hydroxy-3-methoxybenzaldehyde, 1206
- N-[N-[3-(3-Hydroxy-4-methoxyphenyl)propyl]- α -aspartyl]-L-phenylalanine 1-Methyl Ester, Monohydrate, 28
- (3S)-3-[3-(3-Hydroxy-4-methoxyphenyl)propylamino]-4-[[2S)-1-methoxy-1-oxo-3-phenylpropan-2-yl]amino]-4-oxobutanoic Acid Hydrate, 28
- 5-Hydroxy-6-methyl-3,4-pyridinedimethanol Hydrochloride, 988
- 3-Hydroxy-2-methyl-4-pyrone, 724
- 4-Hydroxy-3-methylethylbenzene, 427
- Hydroxy Naphthol Blue, 1570
- 5-Hydroxynonanoic Acid, Lactone, 827
- 5-Hydroxyoctanoic Acid Lactone, 836
- L- β -(*p*-Hydroxyphenyl)alanine, 1195
- 4-(4-Hydroxyphenyl)-2-butanone, 587
- 4-(*p*-Hydroxyphenyl)-2-butanone**, 587
- 2-Hydroxypropanoic Acid, Calcium Salt, 195
- 2-Hydroxypropanoic Acid, Monopotassium Salt, 957
- 2-Hydroxypropanoic Acid, Monosodium Salt, 1066
- 2-Hydroxypropionic Acid, 647
- α -Hydroxypropionic Acid, 647
- Hydroxypropyl Alginate, 983
- Hydroxypropyl Cellulose**, 588
- Hydroxypropyl Determination, 1352
- Hydroxypropyl Methylcellulose**, 588
- 8-Hydroxyquinoline TS, 1562
- (*E*)-5-(4-Hydroxystyryl)benzene-1,3-diol, 1001
- Hydroxysuccinic Acid, 717
- β -Hydroxy- γ -trimethyl aminobutyrate, L-tartrate, 240
- 5-Hydroxyundecanoic Acid Lactone, 1196
- Hypophosphite Identification Test, 1316
- I**
- Identification Tests, 4, 1316
- Acetate, 1316
- Aluminum, 1316
- Ammonium, 1316
- Benzoate, 1316
- Bicarbonate, 1316
- Bisulfite, 1316
- Bromide, 1316
- Calcium, 1316
- Carbonate, 1316
- Chloride, 1316
- Citrate, 1316
- Cobalt, 1316
- Copper, 1316
- Hypophosphite, 1316
- Iodide, 1316
- Iron, 1316
- Lactate, 1316
- Magnesium, 1317
- Manganese, 1317
- Nitrate, 1317
- Nitrite, 1317
- Peroxide, 1317
- Phosphate, 1317
- Potassium, 1317
- Sodium, 1317
- Sulfate, 1317
- Sulfite, 1317
- Tartrate, 1317
- Thiosulfate, 1317
- Zinc, 1317
- Identity Standard, 1239
- Olive Oil, Refined, 1243
- Pomegranate Juice, 1239
- IFAC Good Manufacturing Practice and QA Audit Guide for Food Additives, 1721
- IFAC Good Manufacturing Practice and QA Guide for Food Additives, 1695
- IMP, 1074
- Indian Gum, 546
- Indicator Papers And Test Papers, 1571
- Acetaldehyde Test Paper, 1571
- Cupric Sulfate Test Paper, 1571
- Lead Acetate Test Paper, 1571
- Litmus Paper, Blue, 1571
- Litmus Paper, Red, 1571
- Phenolphthalein Paper, 1571
- Starch Iodate Paper, 1571
- Starch Iodide Paper, 1571
- Indicators, 1569
- Alphazurine 2G, 1569
- Azo Violet, 1569
- Bromocresol Blue, 1569
- Bromocresol Green, 1569
- Bromocresol Purple, 1570
- Bromophenol Blue, 1570
- Bromothymol Blue, 1570
- Cresol Red, 1570
- Crystal Violet, 1570
- Dithizone, 1570
- Eriochrome Black T, 1570
- p*-Ethoxychrysoidin Monohydrochloride, 1570
- Hydroxy Naphthol Blue, 1570
- Litmus, 1570
- Methylene Blue, 1570
- Methyl Orange, 1570
- Methyl Red, 1570
- Methyl Red Sodium, 1570
- Methyl Yellow, 1570
- Murexide Indicator Preparation, 1570
- Naphthol Green B, 1570
- Neutral Red, 1570
- Phenolphthalein, 1570
- Phenol Red, 1570
- Quantity Used, 5
- Quinaldine Red, 1570
- Thymol Blue, 1570
- Thymolphthalein, 1570
- Xylenol Orange, 1570
- Indigo Carmine, 460, 590
- Indigo Carmine TS, 1562
- Indigotine**, 460, 590
- Indigotine Disulfonate, 590
- Indole**, 591
- Infrared Absorption, 1356
- Infrared Spectra, 1356, 1659
- Inositol**, 592
- Inositol Hexakisphosphate Solution, 908
- i*-Inositol, 592
- meso*-Inositol, 592
- myo*-Inositol, 592

INS number, 2
 Insoluble Foreign Matter in Amino Acids, 1293
 Insoluble Sodium Polyphosphate, 1074
Inulin, 593
 Invertase, 1382
 Invertase Sumner Unit Activity, 1382
Invert Sugar, 594, 1449
 Invert Sugar Determination, 1438
 Invert Sugar Syrup, 594
 Iodide Identification Test, 1316
 Iodinated Zinc Chloride, 1563
 Iodine, 0.1 N, 1567
 Iodine TS, 1563
 Iodine Value, 1418
 Ion Chromatography, 1640
 α -**Ionone**, 594
 β -**Ionone**, 595
 Iron Ammonium Citrate, 467, 468
Iron, Carbonyl, 596
Iron, Electrolytic, 598
 Iron (II) Fumarate, 475
 Iron (II) Gluconate, 477
 Iron (II) 2-Hydroxypropionate, 479
 Iron Identification Test, 1316
 Iron (II) Lactate, 479
 Iron Phosphate, 470
 Iron Pyrophosphate, 472
Iron, Reduced, 599
 Iron (II) sodium salt of 2-hydroxypropane-1,2,3-tricarboxylic acid, 1057
 Iron Standard Solution, 1560
Isoamyl Acetate, 601
Isoamyl Alcohol, 602
Isoamyl Benzoate, 602
Isoamyl Butyrate, 603
 Isoamyl Caproate, 606
 Isoamyl Caprylate, 68
Isoamyl Cinnamate, 604
Isoamyl Formate, 605
Isoamyl Hexanoate, 606
Isoamyl Isobutyrate, 607
Isoamyl Isovalerate, 608
 Isoamyl Octanoate, 68
Isoamyl Phenyl Acetate, 608
 Isoamyl 3-Phenyl Propionate, 604
 Isoamyl Propionate, 68
Isoamyl Salicylate, 609
Isoborneol, 610
Isobornyl Acetate, 611
Isobutane, 612
Isobutyl Acetate, 613
Isobutyl Alcohol, 613
Isobutyl-2-butenoate, 620
Isobutyl Butyrate, 614
Isobutyl Cinnamate, 615
Isobutylene-Isoprene Copolymer, 622
Isobutyl Formate, 616
Isobutyl Heptanoate, 617
 Isobutyl Heptoate, 617
 Isobutyl heptylate, 617
Isobutyl Hexanoate, 617
 Isobutyl isobutanoate, 618
Isobutyl Isobutyrate, 618
 Isobutyl Isovalerate, 754

2-Isobutyl-3-Methoxypyrazine, 621
 2-Isobutyl-3-methyl-1,4-diazine, 621
2-Isobutyl-3 Methylpyrazine, 621
Isobutyl Phenylacetate, 618
Isobutyl Salicylate, 619
Isobutyraldehyde, 623
 Isobutyric acid, isobutyl ester, 618
Isobutyric Acid, 623
 Isodihydrolavandulal, 759
 Isoestragole, 73
Isoeugenol, 624
Isoeugenyl Acetate, 625
 Isoeugenyl Methyl Ether, 776
DL-Isoleucine, 626
L-Isoleucine, 627
Isomalt, 628
Isomaltulose, 629
 Isomerase
 Actinoplanes missouriensis, 1367
 Bacillus coagulans, 1367
 Microbacterium arborescens, 1367
 Streptomyces murinus, 1367
 Streptomyces olivaceus, 1367
 Streptomyces olivochromogenus, 1367
 Streptomyces rubiginosus, 1367
 Isopropanol, 631, 1563
 Isopropanol, Anhydrous, 1563
Isopropyl Acetate, 630
 Isopropylacetic Acid, 633
Isopropyl Alcohol, 631
p-Isopropylbenzaldehyde, 325
 Isopropylformic Acid, 623
Isopulegol, 632
 1-Isothiocyantobutane, 174
 Isothiocyanic acid, butyl ester, 174
 Isovaleraldehyde, 755
Isovaleric Acid, 633

J

Jelutong, 734
Juniper Berries Oil, 633

K

Kamillosan, 149
Kaolin, 634
Karaya Gum, 635
 Karite, 1035
 Karl Fischer Titrimetric Method (for Water), 1287
 KASAL, 1043
Kelp, 635
 Kjeldahl Nitrogen Determination, 1354
 Konjac, 636
Konjac Flour, 636
 Konjac Gum, 636
 Konnyaku, 636
Krill Oil, 637

L

Labdanum Oil, 642
 Labeling, Statements for, 2

Alpha-Lactalbumin, 643
 Lactase, 1383
 Lactase (Acid) Activity, 1384
 Lactase (Neutral) Activity, 1383
 Lactated Mono-Diglycerides, 537
 Lactate Identification Test, 1316
Lactic Acid, 170, 647
 Lactic and Fatty Acid Esters of Glycerol, 537
Lactitol, 648
 D-Lactitol, 648
Lactobacillus acidophilus La-14, 649
Lactobacillus acidophilus NCFM, 651
Lactobacillus paracasei LPC-37, 654
Lactobacillus rhamnosus HN001, 656
Lactose, 658
 Lactose Determination, 1439
Lactylated Fatty Acid Esters of Glycerol and Propylene Glycol, 658
Lactylic Esters of Fatty Acids, 660
 LAE, 434
Lanolin, Anhydrous, 662
 Larch Fiber, 87
 Larch Gum, 87
Lard (Unhydrogenated), 662
 Lauramide Arginine Ethyl Ester, 434
Laurel Leaf Oil, 663
Laurel Leaf Oleoresin, 1108
Lauric Acid, 664
 Lauric Acid, Butyl Ester, 175
 Lauric Arginate Ethyl Ester, 434
Lauryl Alcohol, 664
Lauryl Aldehyde, 665
Lavandin Oil, Abrial Type, 666
Lavender Oil, 667
 Lead Acetate Test Paper, 1571
 Lead Acetate TS, 1563
 Lead Limit Test, 1327
 APDC Extraction Method, 1331
 Atomic Absorption
 Spectrophotometric Graphite Furnace Method, 1329
 Chewing Gum Base Polymers, 1364
 Dithizone Method, 1327
 Flame Atomic Absorption
 Spectrophotometric Method, 1328
 Flavor Chemicals Other Than Essential Oils, 1457
 Lead Subacetate TS, 1563
 Lead Subacetate TS, Diluted, 1563
 LEAR Oil, 224
 Leche caspi (sorva), 734
 Leche de vaca, 734
Lecithin, 668
 Lemonene, 147
Lemongrass Oil, 673
 Lemon Oil Arizona, 671
Lemon Oil, Cold-pressed, 670
Lemon Oil, Desert Type, Coldpressed, 671
Lemon Oil, Distilled, 672
 Lemon Oil, Expressed, 670
DL-Leucine, 674
L-Leucine, 675

- Leuco Base (Color Additive Assays), 1341
 Levocarnitine, 238
 Levocarnitine Tartrate, 240
 Levomenol, 149
Levulinic Acid, 676
 Levulose, 490
 Light-Resistant Container, 3
 Lignosulfonic Acid, Calcium Salt (40×65), 198
 Lime, 206
Lime Oil, Cold-pressed, 676
Lime Oil, Distilled, 678
 Lime Oil, Expressed, 676
Limestone, Ground, 679
 “Limit of Detection”, Defined, 1576
 “Limit of Quantitation”, Defined, 1576
 Limit Tests, 1317
 Aluminum, 1317
 Antioxidants in Ethyl Acrylate, 1456
 Arsenic, 1318
 Cadmium, 1320
 Chloride, 1320
 Copper Limit Test, 1321
 1,4-Dioxane, 1322
 Fluoride, 1324
 Hydrocarbons in Eugenol, 1457
 Hydrocyanic Acid in Benzaldehyde, 1457
 Hydroquinone in Ethyl Acrylate, 1456
 Hydroquinone Monomethyl Ether in Ethyl Acrylate, 1456
 Lead, 1327
 Lead (Flavor Chemicals Other Than Essential Oils), 1457
 Manganese, 1332
 Mercury, 1332
 Methyl Compounds in Ethyl Acetate, 1457
 Nickel, 1333
 Peroxide Value (Flavor Chemicals Other Than Essential Oils), 1457
 Phosphorus, 1334
 Readily Carbonizable Substances in Ethyl Acetate, 1457
 Readily Oxidizable Substances in *dl*-Menthol, 1457
 Reducing Substances (Flavor Chemicals Other Than Essential Oils), 1458
 Selenium, 1335
 Sulfate, 1321
(+)-Limonene, 680
(-)-Limonene, 681
d-Limonene, 680
l-Limonene, 681
Linaloe Wood Oil, 681
Linalool, 682
 Linalool Determination (Essential Oils and Flavors), 1403
Linalool Oxide, 683
Linalyl Acetate, 684
Linalyl Benzoate, 685
Linalyl Formate, 686
Linalyl Isobutyrate, 687
Linalyl Propionate, 688
 “Linearity and Range”, Defined, 1576
Linoleic Acid, 689
 Lipase, 406, 1385
 Animal Pancreatic Tissue; 2-Acylhydrolase, 1368
 Animal Pancreatic Tissues, 1368
 Aspergillus niger var., 1368
 Aspergillus oryzae var., 1368
 Candida rugosa, 1368
 Edible Forestomach Tissue of Calves, Kids, and Lambs, 1368
 Rhizomucor meihei, 1368
 Lipase (Microbial) Activity for Medium- and Long-Chain Fatty Acids, 1386
 Lipase Activity, 1385
 Lipase, Animal, 404
 Liquid Paraffin, 796, 798
 Liquid Petrolatum, 796, 798
Listeria, 1490
 Lithium Methoxide, 0.1 N, 1567
 Lithol Rubine B Ca, 690
Lithol Rubine Bk, 690
 Litholrubintoner BKL, 690
 Litmus, 1570
 Litmus Paper, Blue, 1571
 Litmus Paper, Red, 1571
 Litmus TS, 1563
 Locust Bean Gum, 693
Locust (Carob) Bean Gum, 693
 Loss on Drying, 1295
 Color Additives, 1349
Lovage Oil, 694
 Lovibond Color, 1411
 Low Erucic Acid Rapeseed Oil, 224
 Low Glycemic Carbohydrate, 1125
 Low Linolenic Acid Flaxseed Oil (Unhydrogenated), 1095
 Low Linolenic Acid Linseed Oil, 1095
 Luo Han Fruit Concentrate, 799
 Luo Han Guo Concentrate, 799
 Luo Han Guo Extract, 799
 Lutein, 695
Lycopene Extract from Tomato, 696
Lycopene from *Blakeslea trispora*, 699
Lycopene, Synthetic, 701
 Lycopene (Tomato), 696
 Lycopene, Tomato Extract, 696
 Lye, 1062
 Lye Solutions, 1063
L-Lysine Monohydrochloride, 703
 Lysozyme, 404
 Lysozyme Activity, 1387
 D-Lyx-Hexulose, 1141
- M**
- Mace Oil**, 703
 Maddrell’s Salt, 1074
 Magadi Soda, 1088
 Magnesal, 705
 Magnesia Mixture TS, 1563
Magnesium Acid Pyrophosphate, 704
 Magnesium Ammonium Potassium Carnallite, 705
Magnesium Ammonium Potassium Chloride, Hydrate, 705
 Magnesium Ammonium Potassium Chloride, Triple Salt, 705
 Magnesium Biphosphate, 713
Magnesium Carbonate, 707
Magnesium Chloride, 708
 Magnesium Dihydrogen Diphosphate, 704
 Magnesium Dihydrogen Phosphate, 713
 Magnesium Dihydrogen Pyrophosphate, 704
 Magnesium Diphosphate, 704
Magnesium Gluconate, 708
Magnesium Hydroxide, 709
 Magnesium Identification Test, 1317
 Magnesium Lactate, 710
Magnesium Oxide, 711
Magnesium Phosphate, Dibasic, Mixed Hydrates, 711
Magnesium Phosphate, Dibasic, Trihydrate, 712
Magnesium Phosphate, Monobasic, 713
Magnesium Phosphate, Tribasic, 714
Magnesium Silicate, 714
 Magnesium Standard Solution, 1560
Magnesium Stearate, 716
Magnesium Sulfate, 716
 Magnesium Sulfate TS, 1563
 Malachite Green TS, 1563
Malic Acid, 717
 Malic Acid Disodium Salt, 1072
 DL-Malic Acid, 717
 Malic Acid Monosodium Salt, 1073
 Malic Acid Sodium Salt, 1072
 Malonic Ester, 374
 Malt, 405
 Malt Extract, 718
Maltitol, 721
 D-Maltitol, 721
Maltitol Syrup, 722
Maltodextrin, 723, 1446
 Maltogenic Amylase, 1388
 Maltogenic Amylase Activity, 1388
Maltol, 724
Maltol Isobutyrate, 724
Malt Syrup, 718
Mandarin Oil, Cold-pressed, 725
 Mandarin Oil, Expressed, 725
Manganese Chloride, 726
Manganese Citrate, 727
Manganese Gluconate, 727
Manganese Glycerophosphate, 728
Manganese Hypophosphite, 728
 Manganese Identification Test, 1317
 Manganese Limit Test, 1332
Manganese Sulfate, 729
 Mannite, 729
Mannitol, 729
 D-Mannitol, 729

- Maple Furanone, 430
Maritime Pine Extract, 730
Marjoram Oil, Spanish Type, 732
Marjoram Oil, Sweet, 733
Marjoram Sweet Oleoresin, 1108
Markers for Authenticity Testing, 1471
 Biobased Content of 1,3-Propanediol, 1471
 Carbohydrate Authenticity Markers For Soluble (Instant) Coffee, 1476
Massaranduba balata, 734
Massaranduba chocolate, 734
Mass Spectrometry, 1619
Masticatory Substances, Natural, 734
Mayer's Reagent, 1563
MC, 787
Media and Reagents (Microbiological Tests), 1459
Meletin, 990
Melting Range
 Fats and Related Substances, 1418
Melting Range or Temperature Determination, 1276
Menhaden Oil, Hydrogenated, 735
Menhaden Oil, Refined, 739
p-Menth-4-en-3-ol, 632
p-Menth-1-en-8-ol, 1157
Mentha Arvensis Oil, Partially Dementholized, 742
d-p-Mentha-1,8-diene, 680
l-p-Mentha-1,8-diene, 681
p-Mentha-1,5-diene, 886
p-Mentha-6,8-dien-2-ol, 257
p-Mentha-6,8-dien-2-yl Acetate, 260
3-*p*-Menthanol, 743
l-p-Menthan-3-one, 744
dl-p-Menthan-3-yl Acetate, 745
l-p-Menthan-3-yl Acetate, 745
Menthen-1-yl-8 Acetate, 1157
Menthen-1-yl-8 Propionate, 1158
Menthol, 743
(-)-Menthone, 744
L-Menthone, 744
(-)-Menthyl Acetate, 745
DL-Menthyl Acetate, 745
l-Menthyl Acetate, 745
Menthyl Acetate, Racemic, 745
2-Mercaptopropionic Acid, 745
Mercuric-Potassium Iodide TS, 1563
Mercuric-Potassium Iodide TS, Alkaline, 1560, 1563
Mercuric Acetate TS, 1563
Mercuric Chloride TS, 1563
Mercuric Nitrate, 0.1 M, 1567
Mercuric Sulfate TS, 1563
Mercurous Nitrate TS, 1563
Mercury (Color Additive Assays), 1342
Mercury Limit Test, 1332
Meso-Zeaxanthin, 1230
Metaphosphoric Acid, Sodium Potassium Salt, 1082
Methanol, 766, 1563
Methanol, Anhydrous, 1563
Methional, 793
DL-Methionine, 746
L-Methionine, 747
p-Methoxyacetophenone, 11
2-Methoxybenzaldehyde, 75
***p*-Methoxybenzaldehyde**, 749
2-Methoxybenzenecarboxaldehyde, 75
p-Methoxybenzyl Acetate, 77
p-Methoxybenzyl Alcohol, 78
4-Methoxybenzyl Butanoate, 79
p-Methoxybenzyl Butyrate, 79
p-Methoxybenzyl Formate, 79
4-Methoxybenzyl Phenylacetate, 80
p-Methoxybenzyl Phenylacetate, 80
4-Methoxybenzyl Propanoate, 81
p-Methoxybenzyl Propionate, 81
2-Methoxy-3-isobutylpyrazine, 621
2-Methoxy 3- (or 5- or 6-) Isopropyl Pyrazine, 748
Methoxyl Determination, 1353
2-Methoxy-3(5)-Methylpyrazine, 748
4-*p*-Methoxyphenyl-2-butanone, 795
2-Methoxyphenylformaldehyde, 75
1-(*p*-Methoxyphenyl)-1-penten-3-one, 412
2-Methoxy-4-propenylphenol, 624
2-Methoxy-4-propenyl Phenyl Acetate, 625
2-Methoxypyrazine, 750
2-Methyl-1-propyl heptanoate, 617
4-Methyl-2-phenyl-1,3-dioxolane, 119
4-Methyl-2-phenyl-*m*-dioxolane, 119
Methyl 2-Pyridyl Ketone, 20
Methyl 3-Nonenoate, 763
Methyl Acetate, 765
4-Methyl Acetophenone, 756
Methylacetopyronone, 356
Methyl Alcohol, 766
p-Methylaminophenol Sulfate TS, 1564
Methyl Amyl Ketone, 552
***p*-Methyl Anisole**, 753
Methyl Anthranilate, 767
Methylbenzaldehyde, 1182
p-Methylbenzaldehyde, 1182
Methyl Benzoate, 767
Methylbenzyl Acetate, 783
 α -Methylbenzyl Alcohol, 784
Methyl Benzyl Sulfide, 131
2-Methyl Butanal, 754
3-Methyl Butanal, 755
2-Methylbutyl Acetate, 786
 β -Methyl Butyl Acetate, 601
2-Methylbutyl Isovalerate, 786
2-Methylbutyl-3-methylbutanoate, 786
Methyl Butyrate, 768
2-Methylbutyric Acid, 785
Methylcellulose, 787
Methylcellulose, Hydroxypropyl, 588
Methylcellulose Viscosity, 1285
Methyl Chavicol, 412
 α -Methylcinnamaldehyde, 788
Methyl Cinnamate, 768
Methyl Compounds in Ethyl Acetate, Limit Test, 1457
6-Methylcoumarin, 751
Methyl *p*-Cresol, 753
3-Methylcyclopentane-1,2-dione, 769
Methyl Cyclopentenolone, 769
5H-5-Methyl-6,7-dihydrocyclopenta[b]pyrazine, 758
Methylene Blue, 1570
Methylene Blue TS, 1563
Methylene Chloride, 789
Methylene Dichloride, 789
3,4-(Methylenedioxy)-benzaldehyde, 915
Methyl Ester of Rosin, Partially Hydrogenated, 770
Methyl Ethyl Cellulose, 771
Methyl Ethylene Oxide, 984
Methyl Ethyl Ketone, 166
Methyl Eugenol, 772
L-Methylfolate, Calcium, 202
5-Methyl Furfural, 759
Methyl Furoate, 772
Methyl Glycol, 982
2-(1-Methylguanidino)acetic Acid Hydrate, 320
Methyl Heptenone, 760
6-Methyl-5-hepten-2-one, 760
Methyl Heptene Carbonate, 764
Methyl Heptyl Ketone, 829
Methyl Hexanoate, 773
Methyl Hexyl Ketone, 774
Methyl *p*-Hydroxybenzoate, 790
Methyl [*N*-(3-hydroxy-4-methoxy)phenylpropyl-*L*-aspartyl]-*L*-phenylalaninate Monohydrate, 28
Methyl Ionones, 775
Methyl Isobutyl Ketone, 757
2-Methyl-3-isobutylpyrazine, 621
Methyl Isobutyrate, 775
Methyl Isoeugenol, 776
d-1-Methyl-4-isopropenyl-6-cyclohexen-2-one, 258
l-1-Methyl-4-isopropenyl-6-cyclohexen-2-one, 259
5-Methyl-2-isopropyl-2-hexenal, 759
2-Methyl-3-(*p*-isopropylphenyl)propionaldehyde, 327
Methyl Isovalerate, 777
Methyl *N*-Methyl Anthranilate, 382
Methyl 2-Methylbutanoate, 762
Methyl 2-Methylbutyrate, 762
(*S*)-6-Methyl-2-[(*S*)-4-methylcyclohex-3-en-1-yl]hept-5-en-2-ol, 149
7-Methyl-3-methylene-1,6-octadiene, 808
d-2-Methyl-5-(1-methylethenyl)-cyclohexanone, 377
1-Methyl-4-(1-methylethyl)-1,3-cyclohexadiene, 1156
1-Methyl-4-(1-methylethyl)-1,4-cyclohexadiene, 1156
Methyl-3-methylthiopropionate, 782
Methyl β -Naphthyl Ketone, 761
Methyl 2-Nonenoate, 762
Methyl Non-3-enoate, 763
(*E,Z*)-Methyl 2-nonenoate, 762
Methyl *n*-Nonyl Acetaldehyde, 794
Methyl Nonyl Ketone, 1199

- Methyl 2-Octynoate**, 764
Methyl Orange, 1570
Methyl Orange TS, 1563
6-Methyl-1,2,3-oxathiazine-4(3H)-one-2,2 Dioxide Potassium Salt, 9
Methyl Oxirane, 984
Methylparaben, 790
2-Methylpentanoic Acid, 791
4-Methylpentanoic Acid, 752
4-Methyl-2-pentanone, 757
2-Methyl-2-pentenoic Acid, 755
 α -Methyl Phenylacetaldehyde, 904
Methyl Phenylacetate, 778
p-Methylphenyl Acetate, 321
Methyl Phenylcarbinol, 784
Methyl Phenylcarbinyl Acetate, 779
Methylphenyl Ether, 76
5-Methyl 2-Phenyl 2-Hexenal, 758
Methyl Phenyl Ketone, 15
2-Methyl Propanoic Acid, 623
2-Methyl Propanyl Butyrate, 614
2-Methylpropyl 2-methyl propanoate, 618
2-Methylpropyl 2-methylpropionate, 618
2-Methylpropyl heptanoate, 617
2-Methylpropyl isobutyrate, 618
Methyl Propyl Ketone, 879
2-Methyl Propyl 3-Methyl Butyrate, 754
2-(2-Methylpropyl)-3-methylpyrazine, 621
2-Methylpyrazine, 792
Methyl Pyrazinyl Ketone, 19
Methyl Pyridyl Ketone, 20
Methyl 2-Pyrrolyl Ketone, 21
Methyl Red, 1570
Methyl Red-Methylene Blue TS, 1563
Methyl Red Sodium, 1570
Methyl Red TS, 1563
Methylrosaniline Chloride TS, 1563
Methyl Salicylate, 780
Methyl Sulfide, 389
L-Methyltetrahydrofolate, Calcium Salt, 202
L-5-Methyltetrahydrofolic Acid, Calcium Salt, 202
2-Methyl-3-(3,7,11,15-tetramethyl-2-hexadecenyl), 1215
4-Methyl-5-thiazole Ethanol, 757
Methyl Thiobutyrate, 780
Methylthiomethylbenzene, 131
3-Methylthiopropionaldehyde, 793
Methyl *p*-Tolyl Ketone, 756
2-Methylundecanal, 794
Methyl Valerate, 781
Methyl Vanillin, 1210
Methyl Violet TS, 1563
Methyl Yellow, 1570
mg/kg and Percent, 5
Microbial Food Cultures Including Probiotics, 1476
Microbial Limit Tests, 5
Microbiological Enumeration Tests, 1461
Microbiological Tests, 1459
Bile-Tolerant Gram-Negative Bacteria, 1461
Enterobacteria Enrichment Broth Mossel, 1459
Enterobacter Sakazakii (*Cronobacter* SPP.), 1462
Media and Reagents, 1459
Microbiological Enumeration Tests, 1461
Phosphate Buffer Solution pH 7.2, 1459
Rappaport Vassiliadis Salmonella Enrichment Broth, 1459
Sabouraud Dextrose Agar, 1459
Salmonella SPP., 1462
Buffered Sodium Chloride-Peptone Solution pH 7.0, 1459
Soybean-Casein Digest Agar, 1460
Soybean-Casein Digest Broth, 1460
Stock Buffer Solution, 1459
Tests for Absence of Specific Microorganisms, 1461
Total Aerobic Microbial Count, 1461
Total Yeasts and Molds Count, 1461
Violet Red Bile Glucose Agar, 1460
Xylose Lysine Deoxycholate Agar, 1460
Mid-Infrared Spectroscopy, 1608
Milk-Clotting Activity, 1388
Milk Ingredients
Guidance Standard For UHPLC-MS/MS Screening Of Nitrogen Containing Adulterants, 1494
Millon's Reagent, 1563
Mineral Oil, High Viscosity, 796
Mineral Oil, Medium and Low Viscosity, 798
Mineral Oil, White, 798
Mixed Paraffinic Hydrocarbons, 560
Mixture of 1,2- and 1,3-Benzaldehyde Cyclic Acetals of Glycerin, 118
Mixture of α -, β -, γ - or α -iso, and δ -isomers, 775
Mixture of Geranial [(*E*)-3,7-dimethyl-2,6-octadien-1-yl] and Neral [the (*Z*) isomer], 295
Modified Cellulose, 269, 588, 771, 787
Modified Cellulose, EC, 422
Modified Food Starch, 485
Molar Solutions, 1565
Molecular Structure and Chemical Formulas, 2
Molecular Weight (Chewing Gum Base Polymers), 1361
Monk Fruit Concentrate, 799
Monk Fruit Extract, 799
Mono- and Diglycerides, 800
Monoammonium L-Glutamate, 801
Monoammonium Glutamate Monohydrate, 801
Monoammonium Glycyrrhizinate, 802
Monoammonium Phosphate, 61
Mono- And Diglycerides, Ethoxylated, 413
Mono-*tert*-butylhydroquinone, 1151
Monocalcium Benzoate, 185
Monocalcium Phosphate, 211
Monoglyceride Citrate, 803
Monoglycerides
Total in Fats and Related Substances, 1419
1-Monoglycerides (Fats and Related Substances), 1418
Monomagnesium Dihydrogen Phosphate, 713
Monomagnesium Orthophosphate, 713
Monomagnesium Phosphate, 713
Monoolein, 533
Monopotassium D-Gluconate, 953
Monopotassium L-Glutamate, 804
Monopotassium Glutamate Monohydrate, 804
Monopotassium Phosphate, 961
Monosodium 2-DL-hydroxy Succinate, 1073
Monosodium Dihydrogen Phosphate, 1080
Monosodium DL-Malate, 1073
Monosodium Glutamate, 805
Monosodium L-Glutamate, 805
Monosodium Glutamate Monohydrate, 805
Monosodium Phosphate, 1080
Monostearin, 534
Morellone, 128
Morpholine, 806
Mortierella alpina Oil, 82
MPG, 804
MSG, 805
L-5-MTHF-Ca, 202
Murexide Indicator Preparation, 1570
Mustard Oil, 807
myo-Inositol Hexakis(dihydrogen Phosphate) Solution, 908
Myrcene, 808
Myrcia Oil, 114
Myristaldehyde, 808
Myristic Acid, 809
Myristica Oil, 835
Myristyl Alcohol, 809
Myrrh Oil, 809
N
1,4-Naphthalenedione, 1215
 α -Naphtholbenzein TS, 1563
Naphthol Green B, 1570
Naphthol Green TS, 1564
 β -Naphthyl Ethyl Ether, 810
Natamycin, 811
Natural rubber (latex solids), 734
Natural Terpene Resin, 1155
C.I. Natural Yellow 10, 990
Near-Infrared Spectroscopy, 1643
“Negligible”, Defined, 5
Neohesperidine Dihydrochalcone, 812

Neotame, 814
Nerol, 816
Nerolidol, 816
 Nerolin II, 810
 Nerolin Bromelia, 810
Neryl Acetate, 817
 Nessler's Reagent, 1564
 Neutralized Phthalate Buffer, 1559
 Neutral Red, 1570
 Neutral Red TS, 1564
 Neutral Sulfite Method (Essential Oils and Flavors), 1402
 New and Changed List, xv
Niacin, 818
Niacinamide, 818
Niacinamide Ascorbate, 819
Nickel, 820
 Nickel Catalysts, 820
 Nickel Limit Test, 1333
 Nickel Standard Solution TS, 1564
 Nicotinamide, 818
 Nicotinamide Ascorbate, 819
 Nicotinic Acid, 818
 Niger Gutta, 734
 Ninhydrin TS, 1564
Nisin A Preparation, 821
 Nispero, 734
 Nitrate Identification Test, 1317
 Nitre Cake, 1046
 Nitric Acid, 1564
 Nitric Acid TS, Diluted, 1564
 Nitric Oxide-Nitrogen Dioxide Detector Tube, 1571
 Nitrite Identification Test, 1317
Nitrogen, 822
 Nitrogen Determination
 α -Amino, 1337
 Ammonia, 1337
 Kjeldahl Method, 1354
Nitrogen Enriched Air, 823
 Nitrogen Oxide, 824
Nitrous Oxide, 824
(E),(E)-2,4-Nonadienal, 825
trans,cis-2,6-Nonadienal, 826
(E),(Z)-2,6-Nonadienal, 826
trans,trans-2,4-Nonadienal, 825
(E),(Z)-2,6-Nonadienol, 826
trans,cis-2,6-Nonadienol, 826
 δ -Nonalactone, 827
 γ -Nonalactone, 828
Nonanal, 828
Nonanoic Acid, 830
 1-Nonanol, 834
2-Nonanone, 829
Noncrystallizing Sorbitol Solution, 1102
(E)-2-Nonenal, 832
trans-2-Nonenal, 832
 2-Nonenoic Acid, Methyl Ester, 762
 3-Nonenoic Acid, Methyl Ester, 763
(E)-2-Nonen-1-ol, 830
(Z)-6-Nonen-1-ol, 831
cis-6-Nonen-1-ol, 831
trans-2-Nonenol, 830

Nonfat Dry Milk
 Nonprotein Nitrogen Determination for Skim Milk Powder and Nonfat Dry Milk, 1502

Nonprotein Nitrogen Determination for Skim Milk Powder and Nonfat Dry Milk, 1502

Nonyl Acetate, 833

Nonyl Alcohol, 834

Normal Solutions, 1565

Nuclear Magnetic Resonance, 1295, 1625

Nutmeg Oil, 835

O

O₂, 860

(Z),(Z)-9,12-Octadecadienoic Acid, 689

Octadecanoic Acid, 536, 1115

Octadecanoic Acid, Zinc Salt, 1236

(Z)-9-Octadecenoic Acid, 849

cis-9-Octadecenoic Acid, Sodium Salt, 1078

δ -Octalactone, 836

γ -Octalactone, 836

Octanal, 837

Octanoic Acid, 838

1-Octanol, 843

3-Octanol, 838

2-Octanone, 774

(E)-2-Octen-1-ol, 838

trans-2-Octen-1-ol, 838

(Z)-3-Octen-1-ol, 839

1-Octen-3-ol, 840

cis-3-Octen-1-ol, 839

1-Octen-3-yl Acetate, 841

1-Octen-3-yl Butyrate, 842

Octyl Acetate, 842

3-Octyl Acetate, 842

Octyl Alcohol, 843

Octyl Ester of Gallic Acid, 845

n-Octyl Ester of 3,4,5-

Trihydroxybenzoic Acid, 845

Octyl Formate, 844

Octyl Gallate, 845

Octyl Isobutyrate, 846

Octyl 2-Methylpropanoate, 846

Octyl 3,4,5-Trihydroxybenzoate, 845

Odorless, Statement of, 3

Oil Content of Synthetic Paraffin, 1304

Oil of Frankincense, 852

Oil of Shaddock, 541

Completely Hydrogenated Oils and Fats, 846

Fully Hydrogenated Oils and Fats, 846

Hydrogenated Oils and Fats, 846

Oleic Acid, 849

Oleic Acid, Sodium Salt, 1078

Oleoresin Angelica Seed, 1107

Oleoresin Anise, 1108

Oleoresin Basil, 1108

Oleoresin Black Pepper, 1108

Oleoresin Capsicum, 1108

Oleoresin Caraway, 1108

Oleoresin Cardamom, 1108

Oleoresin Celery, 1108

Oleoresin Coriander, 1108

Oleoresin Cubebe, 1108

Oleoresin Cumin, 1108

Oleoresin Dillseed, 1108

Oleoresin Fennel, 1108

Oleoresin Ginger, 1108

Oleoresin Hop, 1108

Oleoresin Laurel Leaf, 1108

Oleoresin Marjoram Sweet, 1108

Oleoresin Origanum, 1108

Oleoresin Paprika, 1108

Oleoresin Parsley Leaf, 1108

Oleoresin Parsley Seed, 1108

Oleoresin Pimenta Berries, 1108

Oleoresin Rosemary, 1108

Oleoresins, 1428

 Color Value, 1428

 Curcumin Content, 1428

 Piperine Content, 1428

 Residual Solvent, 1429

 Total Capsaicinoids Content, 1430

 Volatile Oil Content, 1431

Oleoresin Thyme, 1108

Oleoresin Turmeric, 1108, 1194

Olestra, 850

Olibanum Oil, 852

Olive Oil, Refined, 1243

Onion Oil, 853

Optical (Specific) Rotation, 1278

Orange Oil, Bitter, Cold-pressed, 854

Orange Oil, Cold-pressed, 855

Orange Oil, Distilled, 856

Origanum Oil, Spanish Type, 857

Origanum Oleoresin, 1108

Orris Root Oil, 858

Orthophenanthroline TS, 1564

Orthophosphoric Acid, 907

Oxalic Acid, 0.1 N, 1567

Oxalic Acid TS, 1564

Ox Bile Extract, 859

1:8 Oxido-*p*-menthane, 454

Oxidoreductase

Aspergillus niger var., 1366, 1367

 Bovine Liver, 1367

Micrococcus lysodeikticus, 1367

3-Oxo-2,3-dihydrobenzo[d]isothiazol-1,1-dioxide Monohydrate, 964

Oxyethylene Determination, 1420

Oxygen, 860

Oxygen Flask Combustion, 1261

Oxystearin, 860

Ozone, 860

P

Packaging and Storage

 Containers, 3

 Cool Place, Defined, 3

 Excessive Heat, Defined, 3

 Light Resistant Container, Defined, 3

 Product Security, 3

- Storage Under Nonspecific Conditions, 3
Tight Container, Defined, 3
Well-Closed Container, Defined, 3
- Palmarosa Oil**, 862
- Palmitic Acid**, 863
- Palmitoyl L-Ascorbic Acid, 89
- Palmityl alcohol, 558
- Palm Kernel Oil (Unhydrogenated)**, 861
- Palm Oil (Unhydrogenated)**, 861
- Pancreatin, 404, 1389
- Pancreatin Activity, 1389
- Panthenol, 357
- DL-Panthenol**, 863
- D(+)-Pantothenyl Alcohol, 357
- DL-Pantothenyl Alcohol, 863
- Papain, 405, 1368
- Paper Chromatography, 1267
- Paprika Oleoresin**, 1108
- Paraffin, Synthetic**, 864
- Parsley Herb Oil**, 865
- Parsley Leaf Oleoresin**, 1108
- Parsley Seed Oil**, 866
- Parsley Seed Oleoresin**, 1108
- Partial Acid Digest of (Source) Protein, 867
- Partial Enzymatic Digest of (Source) Protein, 867
- Partially Dementholized Mentha Arvensis Oil, 742
- Partially Hydrolyzed (Source) Protein, 867
- Partially Hydrolyzed Proteins**, 867
- Patent Blue 5, 868
- Patent Blue V**, 868
- Peach Aldehyde, 1197
- Peanut Oil (Unhydrogenated)**, 871
- Pectinase, 1368
- Pectins**, 872
- PEG, 927
- Pelargonic Aldehyde, 828
- Pendare, 734
- Pennyroyal Oil**, 875
- ω -**Pentadecalactone**, 876
- Pentaerythritol Ester of Partially Hydrogenated Wood Rosin**, 877
- Pentaerythritol Ester of Wood Rosin**, 878
- 3,3',4',5,7-Pentahydroxyflavone, 990
- Pentahydroxyhexanoic acid, 513
- 1,2,3,4,5-Pentahydroxypentane, 1224
- [2,3,4,5,6-Pentakis(phosphonoxy)cyclohexyl]oxyphosphonic Acid Solution, 908
- 1,5-Pentanedial, 524
- 2,3-Pentanedione**, 879
- Pentanoic Acid, 1204
- Pentanoic acid, butyl ester, 179
- 1-Pentanol, 67
- 2-Pentanone**, 879
- Pentapotassium Triphosphate, 968
- Pentasodium Triphosphate, 1094
- 1-Pentyl Butyrate, 67
- 1-Pentyl Formate, 67
- Pentyl Heptanoate, 67
- Pentyl Hexanoate, 606
- 2-Pentyl-3-phenylprop-2-en-1-ol, 71
- People
2015–2020, xi
- Peppermint Oil**, 880
- Pepsin, 404, 1391
- Pepsin Activity, 1391
- Peptone (Source), 867
- Percentage of Cineole (Essential Oils and Flavors), 1404
- Perchloric Acid, 0.1 N, 1567
- Perchloric Acid, 0.1 N, in Dioxane, 1567
- Perillo, 734
- Perlite**, 881
- Permanent Ruben L6B, 690
- Peroxide Identification Test, 1317
- Peroxide Value
Fats and Related Substances, 1421
Flavor Chemicals Other Than Essential Oils, 1457
- Pesticide Residues, 1463
- Petitgrain Oil, Paraguay Type**, 882
- Petrolatum**, 883
- Petroleum Jelly, 883
- Petroleum Wax**, 884
- Petroleum Wax, Synthetic**, 885
- pH Determination, 1279
- α -**Phellandrene**, 886
- Phenethyl Acetate**, 887
- 2-Phenethyl Acetate, 887
- Phenethyl Alcohol**, 888
- α -Phenethyl Alcohol, 784
- Phenethyl Isobutyrate**, 889
- Phenethyl Isovalerate**, 890
- 2-Phenethyl 2-Methylbutyrate**, 893
- Phenethyl Phenylacetate**, 891
- Phenethyl Salicylate**, 892
- Phenolphthalein, 1570
- Phenolphthalein Paper, 1571
- Phenolphthalein TS, 1564
- Phenol Red, 1570
- Phenol Red TS, 1564
- Phenols (Essential Oils and Flavors), 1404
- Phenols, Free (Essential Oils and Flavors), 1405
- Phenolsulfonphthalein TS, 1564
- Phenoxyethyl Isobutyrate**, 893
- 1-Phenyl-2-Ethyl-3-Hexanone, 128
- Phenylacetaldehyde**, 897
- Phenylacetaldehyde Dimethyl Acetal**, 898
- Phenylacetic Acid**, 899
- DL-Phenylalanine**, 900
- L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-aspartyl-, Methyl Ester, Monohydrate, 28
- L-Phenylalanine**, 901
- L-Phenylalanine, L- α -aspartyl-2-methyl ester compound with 6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide (1:1), 93
- Phenylbenzene, 147
- Phenyl Carbinol, 125
- α -Phenyl Ethyl Acetate, 779
- 2-Phenylethyl Alcohol, 888
- Phenylethyl Anthranilate**, 902
- Phenylethyl Butyrate**, 902
- Phenyl Ethyl Cinnamate**, 894
- Phenyl Ethyl Propionate**, 895
- Phenyl Mercaptan, 119
- 2-(Phenylmethylene)heptyl Acetate, 71
- 2-(Phenylmethylene)heptyl Formate, 72
- p-Phenylphenol TS, 1564
- 3-Phenyl-1-propanol**, 896
- 3-Phenylpropenoic Acid, 285
- 2-Phenylpropionaldehyde**, 904
- 3-Phenylpropionaldehyde**, 905
- 2-Phenylpropionaldehyde Dimethyl Acetal**, 906
- 3-Phenylpropyl Acetate**, 903
- Phenylpropyl Alcohol, 896
- Phenylpropyl Aldehyde, 905
- PHMO, 735
- Phosphatase
Aspergillus niger var., 1368
- Phosphate Buffer, 1559
- Phosphate Buffer Solution pH 7.2, 1459
- Phosphate Identification Test, 1317
- Phosphate Standard Solution, 1560
- Phospholipase A₂, 404, 1392
- Phospholipase A₂ Activity, 1392
- Phosphoric Acid**, 907, 1564
- Phosphoric acid, ammonium iron (II) salt, 474
- Phosphorus Limit Test, 1334
- Phosphotungstic Acid TS, 1564
- Phylloquinone, 1215
- Physical Tests and Determinations, 1266
- Physicochemical Properties, 1275
- Phytase, 407, 1392
- Phytase Activity, 1392
- Phytic Acid Solution**, 908
- Phytonadione, 1215
- Picolinic Acid, Chromium(III) Salt, 282
- Picric Acid TS, 1564
- Pigment Metal 3, 538
- Pimaricin, 811
- Pimenta Berries Oil, 910
- Pimenta Berries Oleoresin**, 1108
- Pimenta Leaf Oil**, 911
- Pimenta Oil**, 910
- Pimento Leaf Oil, 911
- Pimento Oil, 910
- Pineapples: *Ananas comosus* *Ananas bracteatus* (L), 1366
- 1- α -Pinene, 913
- 2-Pinene, 913
- α -**Pinene**, 913
- β -**Pinene**, 913
- Pine Needle Oil, 483, 911
- Pine Needle Oil, Dwarf**, 911
- Pine Needle Oil, Scotch Type**, 912
- Pinus pinaster* Extract, 730
- Piperidine**, 914
- Piperine Content, 1428
- Piperonal**, 915
- Piperonyl Aldehyde, 915
- Plant Oils

- Differentiation of Plant Oils Using Chemical Markers, 1409
 Plant Proteolytic Activity, 1394
Plant Stanol Esters, 915
 Plasma Spectrochemistry, 1306
Poloxamer 331, 917
Poloxamer 407, 919
 Poly- β -(1,4)-2-amino-2-deoxy-D-glucose, 275
Polydextrose, 921
Polydextrose Solution, 923
 Polydimethylsiloxane, 390
Polyethylene, 926
Polyethylene Glycols, 927
 Polyglucitol, 1114
 Polyglycerate (60), 413
Polyglycerol Esters of Fatty Acids, 930
 Polyglycerol Esters of Interesterified Ricinoleic Acid, 930
 Polyglycerol Polyricinoleate, 930
Polyglycerol Polyricinoleic Acid, 930
 PolyGlycopleX, 34
Polyisobutylene, 932
 Poly[1-(2-oxo-1-pyrrolidinyl)ethylene], 969
 Poly(oxy-1,2-ethanediyl) Derivative, 934, 935, 937
 Polyoxyethylene (20) Mono- and Diglycerides of Fatty Acids, 413
 Polyoxyethylene (20) Sorbitan Monolaurate, 934
 Polyoxyethylene (20) Sorbitan Monooleate, 937
 Polyoxyethylene (20) Sorbitan Monostearate, 935
 Polyoxyethylene (20) Sorbitan Tristearate, 936
Polypropylene Glycol, 932
 Polysaccharide Complex KAX, 34
Polysorbate 20, 934
Polysorbate 40, 935
Polysorbate 60, 935
Polysorbate 65, 936
Polysorbate 80, 937
Polyvinyl Acetate, 938
 Poly(vinyl acetate), 938
Polyvinyl Alcohol, 939
 Poly(vinyl alcohol), 939
 Polyvinylpyrrolidone, 322
 Polyvinylpyrrolidone, 969
Pomegranate Juice, 1239
Ponceau 4R, 942
Pork Collagen, 944
 Potassium Acetate TS, 1564
 Potassium Acid Phthalate, 0.1 N, 1567
Potassium Acid Tartrate, 946
Potassium Alginate, 946
 Potassium Alum, 51
Potassium Benzoate, 947
 Potassium-o-benzosulfimide, 964
Potassium Bicarbonate, 948
 Potassium Biphosphate, 961
 Potassium Biphthalate, 0.2 M, 1559
 Potassium Bitartrate, 946
Potassium Bromate, 948
Potassium Carbonate, 949
Potassium Carbonate Solution, 949
Potassium Chloride, 949
 Potassium Chloride, 0.2 M, 1559
 Potassium Chromate TS, 1564
Potassium Citrate, 952
Potassium Diacetate, 952
 Potassium Dichromate, 0.1 N, 1567
 Potassium Dichromate TS, 1564
 Potassium Dihydrogen Phosphate, 961
 Potassium Ferricyanide TS, 1564
 Potassium Ferrocyanide TS, 1564
Potassium Gibberellate, 953
Potassium Gluconate, 953
 Potassium Glutamate, 804
Potassium Glycerophosphate, 954
 Potassium Hydrogen Diacetate, 952
Potassium Hydroxide, 955
 Potassium Hydroxide, 0.5 N, Alcoholic, 1567
 Potassium Hydroxide, 1 N, 1567
Potassium Hydroxide Solution, 955
 Potassium Hydroxide TS, 1564
 Potassium Hydroxide TS, Alcoholic, 1564
 Potassium Identification Test, 1317
Potassium Iodate, 956
 Potassium Iodate, 0.05 M, 1568
Potassium Iodide, 956
 Potassium Iodide TS, 1564
 Potassium Kurrol's Salt, 962
Potassium Lactate Solution, 957
Potassium Metabisulfite, 958
 Potassium Metaphosphate, 962
Potassium Nitrate, 959
Potassium Nitrite, 960
 Potassium Permanganate, 0.1 N, 1568
 Potassium Permanganate TS, 1564
Potassium Phosphate, Dibasic, 960
Potassium Phosphate, Monobasic, 961
 Potassium Phosphate, Monobasic, 0.2 M, 1559
Potassium Phosphate, Tribasic, 962
Potassium Polymetaphosphate, 962
 Potassium Polyphosphates, 962
 Potassium Pyroantimonate TS, 1564
Potassium Pyrophosphate, 963
 Potassium Pyrosulfite, 958
Potassium Saccharin, 964
 Potassium Salt, 966
 Potassium Salt of 1,2-benzisothiazole-3(2H)-one-1,1-dioxide Monohydrate, 964
 Potassium Sodium Tartrate, 1083
Potassium Sorbate, 966
Potassium Sulfate, 967
 Potassium Sulfate TS, 1564
Potassium Sulfite, 967
 Potassium Triphosphate, 968
Potassium Tripolyphosphate, 968
Povidone, 969
 Powdered Cellulose, 270
 Powdered Decaffeinated Green Tea Extract, 1153
 Precipitated Calcium Phosphate, 213
 "Precision", Defined, 1575
 Preface, v
 Pressure Measurements, 5
L-Proline, 971
Propane, 971
 Propane, 1-3-diol, 973
 1,2-Propanediol, 982
1,3-Propanediol, 973
 Biobased Content of, 1471
 1,2,3-Propanetriol Octadecanoate, 534
 1,2,3-Propane Tristearoyl Ester, 536
 Propanoic acid, 2-methyl-, 2-methylpropyl ester, 618
 2-Propanol, 631
n-Propanol, 976
 2-Propanone, 13
 2-Propen-1-yl 3-phenyl-2-propenoate, 39
 1-Propene-1,2,3-tricarboxylic Acid, 24
 Propene Oxide, 984
 2-Propenyl 2-aminobenzoate, 38
 2-Propenyl butyrate, 39
p-Propenylanisole, 73
 Propenyl cinnamate, 39
 2-Propenyl 5-cyclohexane pentanoate, 40
 2-Propenyl 3-phenyl-2-propenoate, 39
 2-Propenyl sulfide, 49
 4-Propenyl veratrole, 776
Propenylguaethol, 973
Propionaldehyde, 974
Propionic Acid, 975
Propyl Acetate, 976
n-Propyl Acetate, 976
Propyl Alcohol, 976
***p*-Propyl Anisole**, 977
 Propylene Chlorohydrin Determination, 1439
Propylene Glycol, 982
Propylene Glycol Alginate, 983
 Propylene Glycol Ether of Methylcellulose, 588
 Propylene Glycol Lactostearate, 658
Propylene Glycol Mono- and Diesters, 983
 Propylene Glycol Mono- and Diesters of Fatty Acids, 983
 Propylene Glycol Monostearate, 983
Propylene Oxide, 984
 1,2-Propylene Oxide, 984
Propyl Formate, 978
Propyl Gallate, 979
 Propyl *p*-Hydroxybenzoate, 986
Propyl Mercaptan, 980
Propylparaben, 986
Propyl Propionate, 981
n-Propyl Propionate, 981
 Protease, 407
 Animal Pancreas, 1369
Aspergillus niger, 1366
Aspergillus niger var., 1366

- Aspergillus niger* var. *awamori* (Containing a Calf Prochymosin Gene), 1367
- Aspergillus oryzae* var., 1366
- Bacillus cereus*, 1369
- Bacillus licheniformis* var., 1369
- Bacillus subtilis* var., 1369
- Endothia parasitica*, 1369
- Escherichia coli* K-12 (Containing a Calf Prochymosin Gene), 1367
- Figs (*Ficus*) sp., 1367
- Kluyveromyces marxianus*, 1367
- Pancreatic Extract, Bovine or Porcine, 1367
- Papaya (*Carica papaya* (L)), 1368
- Pineapples: *Ananas comosus* *Ananas bracteatus* (L), 1366
- Porcine or Other Animal Stomach Tissue, 1368
- Rhizomucor meihei*, 1369
- Rhizomucor pusillus* (Lindt), 1369
- Ruminant Animal Stomach, 1369
- Trichoderma longibrachiatum*, 1367
- Protein-Based Ingredients, 1494
- Guidance Standard For UHPLC-MS/MS Screening Of Nitrogen Containing Adulterants in Milk Ingredients, 1494
- Nonprotein Nitrogen Determination for Skim Milk Powder and Nonfat Dry Milk, 1502
- Proteins, Partially Hydrolyzed, 867
- Proteolytic Activity, Bacterial (PC), 1395
- Proteolytic Activity, Fungal (HUT), 1395
- Proteolytic Activity, Fungal (SAP), 1396
- Pteroylglutamic Acid, 484
- Pullulanase, 1397
- Pullulan**, 987
- Pullulanase Activity, 1397
- Purified Oxgall, 859
- PVOH, 939
- PVP, 969
- PVPP, 322
- 3-Pyridinecarboxylic Acid, 818
- Pyridinium, 1-Hexadecyl-, Chloride, Monohydrate, 271
- Pyridoxine Hydrochloride**, 988
- Pyridoxol Hydrochloride, 988
- Pyromucic Aldehyde, 493
- 2-Pyroxidinecarboxylic Acid, Chromium Salt, 282
- Pyrrole**, 989
- L-2-Pyrrolidinecarboxylic Acid, 971
- Q**
- Qualitative Test for Phenols Using Ferric Chloride (Flavor Chemicals Other Than Essential Oils), 1458
- Quercetin**, 990
- Quercetin-3-rutinoside trihydrate, 1015
- Quercetol, 990
- Quertin, 990
- Quertine, 990
- Quimociac TS, 1564
- Quinaldine Red, 1570
- Quinaldine Red TS, 1564
- Quinine Hydrochloride**, 992
- Quinine Sulfate**, 992
- Quinoline Yellow**, 993
- Quinones (Chewing Gum Base Polymers), 1362
- R**
- Racemic Pantothenyl Alcohol, 863
- Radioactivity, 1634
- Raman Spectroscopy, 1650
- Rapeseed Oil, Fully Hydrogenated**, 995
- Rapeseed Oil, Superglycerinated**, 996
- Rappaport Vassiliadis Salmonella Enrichment Broth, 1459
- Raspberry Ketone, 587
- Readily Carbonizable Substances, 1280
- Readily Carbonizable Substances in Ethyl Acetate, Limit Test, 1457
- Readily Oxidizable Substances in *dl*-Menthol, 1457
- Reagents, Specifications, 5
- Reb A, 997
- Rebaudioside A**, 997
- Rebiana, 997
- Reduced Iron, 599
- Reducing Substances (Flavor Chemicals Other Than Essential Oils), 1458
- Reducing Sugars Assay, 1441
- Reference Standards, 5
- Refined Arachidonic Acid-Rich Oil (RAO), 82
- Refined Bleached Shellac, 1036
- Refined Microcrystalline Wax, 884
- Refined Paraffin Wax, 884
- Refractive Index, 1281
- Regular Bleached Shellac, 1035
- Reichert-Meissl Value, 1421
- Relative Atomic Mass and Half-Lives of Selected Radionucleotides, 1684
- Rennet, 1369
- Rennet, Bovine, 404
- Rennet, Calf, 404
- Rennet, Microbial, 407
- Requirements for Listing Substances in FCC, 2
- Residual Solvent (Oleo-resins), 1429
- Residual Styrene (Chewing Gum Base Polymers), 1363
- Residual Titration (for Water), 1288
- Residue on Evaporation
- Essential Oils and Flavors, 1405
- Flavor Chemicals (Other than Essential Oils), 1458
- Residue on Ignition (Sulfated Ash), 1312
- Resveratrol, 1001
- 3-Rhamnoglucoside of 5,7,3',4'-tetrahydroxyflavonol, 1015
- Rhodinol**, 1003
- Rhodinyl Acetate**, 1004
- Rhodinyl Formate**, 1005
- Riboflavin**, 1006
- Riboflavin 5'-Phosphate Ester Monosodium Salt, 1007
- Riboflavin 5'-Phosphate Ester Monosodium Salt, Dihydrate, 1007
- Riboflavin 5'-Phosphate Sodium**, 1007
- Ribose, 1008
- D-Ribose**, 1008
- Rice Bran Wax**, 1009
- Ricinus Oil, 265
- "Robustness", Defined, 1577
- Rochelle Salt, 1083
- Rose Geranium Oil, Algerian Type, 503
- Rosemary Extract**, 1011
- Rosemary Oil**, 1013
- Rosemary Oleoresin**, 1108
- Rose Oil**, 1010
- Rosidinha (rosadinha), 734
- Rosins and Related Substances
- Acid Number, 1432
- Softening Point, 1432
- Viscosity, 1436
- Rosins and Related Substances, Tests and Assays, 1432
- Rubinpigment, 690
- Rue Oil**, 1014
- "Ruggedness", Defined, 1577
- Rum Ether, So-Called, 444
- Rutin**, 1015
- Rutin trihydrate, 1015
- S**
- (S)-2-Amino-4-(methylselenyl)butyric Acid, 1032
- Sabouraud Dextrose Agar, 1459
- Saccharin**, 1017
- Safflower Oil (Unhydrogenated)**, 1018
- Safflower Yellow, 255
- Sage Oil, Dalmatian Type**, 1019
- Sage Oil, Spanish Type**, 1020
- SAIB, 1130
- Salatrim**, 1021
- Salicylaldehyde**, 1025
- Salicylaldehyde methyl ether, 75
- Salmonella**, 1490
- Salmonella SPP.*, 1462
- SALP, 1043
- Salt, 1049
- Sandalwood Oil, East Indian Type**, 1026
- Sandalwood Oil, West Indian Type, 72
- Santalol**, 1027
- Santalyl Acetate**, 1028
- Saponification Value
- Essential Oils and Flavors, 1403
- Fats and Related Substances, 1422
- Savory Oil (Summer Variety)**, 1029
- Schiff's Reagent, Modified, 1564
- Schizochytrium Oil, 364
- Scoville Heat Units, 1658
- Seaweed-Derived Calcium**, 1030

- Seignette Salt, 1083
 Selenium Limit Test, 1335
Selenium Speciation, 1355
L-Selenomethionine, 1032
DL-Serine, 1033
L-Serine, 1034
 Shea Butter, 1035
Sheanut Oil, Refined, 1035
Shellac, Bleached, 1035
Shellac, Bleached, Wax-Free, 1036
 Short- and Long-Chain Acyl
 Triglyceride Molecules, 1021
 Short Chain Fructooligosaccharides,
 489
 Sieve Analysis of Granular Metal
 Powders, 1312
 Significant Figures, 5
Silicon Dioxide, 1036
Silver, 1037
 Silver Nitrate, 0.1 N, 1568
 Silver Nitrate TS, 1564
Siraitia grosvenorii Extract, 799
 Skim Milk Powder
 Nonprotein Nitrogen Determination
 for Skim Milk Powder and Nonfat
 Dry Milk, 1502
 Slaked Lime, 194
 Smectite, 116
 Soap, 1423
 Soda Alum, 51
 Soda Ash, 1047
Sodium Acetate, 1039
 Sodium Acetate, 0.1 N, 1568
Sodium Acid Pyrophosphate, 1040
 Sodium Acid Sulfate, 1046
 Sodium Acid Sulfite, 1046
Sodium Alginate, 1040
 Sodium Alginate, Konjac Flour
 (*Amorphophallus konjac*), Xanthan
 Gum Complex, 34
 Sodium Alum, 51
Sodium Aluminosilicate, 1041
**Sodium Aluminum Phosphate,
 Acidic**, 1043
**Sodium Aluminum Phosphate,
 Basic**, 1043
 Sodium Arsenite, 0.05 N, 1568
Sodium Ascorbate, 1044
 Sodium L-Ascorbate, 1044
Sodium Benzoate, 1044
 Sodium o-Benzosulfimide, 1086
Sodium Bicarbonate, 1045
 Sodium Biphosphate, 1080
Sodium Bisulfate, 1046
Sodium Bisulfite, 1046
 Sodium Bisulfite TS, 1564
 Sodium Bitartrate TS, 1564
 Sodium Borate TS, 1564
Sodium Carbonate, 1047
 Sodium Carbonate TS, 1564
 Sodium Carboxymethylcellulose, 269
**Sodium Carboxymethyl Cellulose,
 Enzymatically Hydrolyzed**, 1047
Sodium Chloride, 1049
 Sodium Chloride (Color Additive
 Assays), 1343
 Buffered Sodium Chloride-Peptone
 Solution pH 7.0, 1459
 Sodium Chlorite Solutions, Acidified,
 23
 Sodium Choleate, 859
Sodium Citrate, 1052
 Sodium Cobaltinitrite TS, 1564
Sodium Cyclamate, 1052
 Sodium Cyclohexanesulfamate, 1052
 Sodium Cyclohexylsulfamate, 1052
Sodium Dehydroacetate, 1053
Sodium Diacetate, 1053
 Sodium 5-[4-dimethylamino- α -(4-
 dimethyliminocyclohexa-2,5-
 dienyldiene) benzyl]-6-hydroxy-7-
 sulfonato-naphthalene-2-sulfonate,
 542
 Sodium N-[4-[[4-
 (dimethylamino)phenyl](2-hydroxy-
 3,6-disulfo-1-naphthalenyl)-
 methylene]-2,5-cyclohexadien-1-
 ylidene-N-methylmethanaminium,
 542
Sodium DL-Malate, 1072
 Sodium Dodecyl Sulfate, 1068
Sodium Erythorbate, 1054
Sodium Ferric Pyrophosphate,
 1055
Sodium Ferrocyanide, 1056
Sodium Ferrous Citrate, 1057
 Sodium Fluoride TS, 1564
Sodium Fumarate, 1059
Sodium Gluconate, 1060
 Sodium D-Gluconate, 1060
 Sodium Glutamate, 805
 Sodium Hexametaphosphate, 1082
**Sodium Hyaluronate (from
 Microbial Fermentation)**, 1060
 Sodium Hyaluronate (*Streptococcus*),
 1060
 Sodium Hydrogen Carbonate, 1045
 Sodium Hydrogen Diacetate, 1053
Sodium Hydrogen DL-Malate, 1073
 Sodium Hydrogen Sulfite, 1046
Sodium Hydroxide, 1062
 Sodium Hydroxide, 0.2 M, 1559
 Sodium Hydroxide, 0.5 N, Alcoholic,
 1568
 Sodium Hydroxide, 1 N, 1568
Sodium Hydroxide Solutions, 1063
 Sodium Hydroxide TS, 1564
 Sodium 3-(1-Hydroxyethylidene)-6-
 methyl-1,2-pyran-2,4(3H)-dione,
 1053
Sodium Hypophosphite, 1063
 Sodium Hyposulfite, 1093
 Sodium Identification Test, 1317
 Sodium Indigotindisulfonate TS, 1562,
 1564
Sodium Iron EDTA, 1064
 Sodium Iron Pyrophosphate, 1055
Sodium Lactate Solution, 1066
Sodium Lauryl Sulfate, 1068
Sodium Lignosulfonate, 1068
**Sodium Magnesium
 Aluminosilicate**, 1070
 Sodium Malate, 1072
Sodium Metabisulfite, 1074
**Sodium Metaphosphate,
 Insoluble**, 1074
Sodium Metasilicate, 1075
 Sodium Methoxide, 1076
 Sodium Methoxide, 0.1 N, in Pyridine,
 1568
 Sodium Methoxide, 0.02 N, in
 Toluene, 1568
Sodium Methylate, 1076
Sodium Molybdate Dihydrate,
 1077
 Sodium Monohydrogendicarbonate,
 1088
Sodium Nitrate, 1077
Sodium Nitrite, 1078
 Sodium Nitroferricyanide TS, 1564
 Sodium (Z)-9-octadecenoate, 1078
 Sodium Oleate, 1078
Sodium Phosphate, Dibasic, 1079
Sodium Phosphate, Monobasic,
 1080
Sodium Phosphate, Tribasic, 1081
 Sodium Phosphate TS, 1564
Sodium Polyphosphates, Glassy,
 1082
 Sodium Potassium
 Hexametaphosphate, 1082
 Sodium Potassium Phosphate, Glassy,
 1082
**Sodium Potassium
 Polyphosphates, Glassy**, 1082
Sodium Potassium Tartrate, 1083
**Sodium Potassium
 Tripolyphosphate**, 1084
 Sodium Propanoate, 1085
Sodium Propionate, 1085
Sodium Pyrophosphate, 1085
 Sodium Pyrosulfite, 1074
Sodium Saccharin, 1086
 Sodium selenate, 1088
Sodium Selenate Anhydrous, 1088
Sodium Sesquicarbonate, 1088
 Sodium Silicoaluminat, 1041
Sodium Stearoyl Lactylate, 1089
Sodium Stearyl Fumarate, 1090
Sodium Sulfate, 1091
 Sodium Sulfate (Color Additive
 Assays), 1343
 Sodium Sulfide TS, 1565
Sodium Sulfite, 1092
Sodium Tartrate, 1092
 Sodium Tetraphenylborate TS, 1565
 Sodium Tetraphenylboron, 0.02 M,
 1569
 Sodium Tetrapolyphosphate, 1082
Sodium Thiosulfate, 1093
 Sodium Thiosulfate, 0.1 N, 1569
 Sodium Thiosulfate TS, 1565
Sodium Trimetaphosphate, 1093
 Sodium Triphosphate, 1094
Sodium Tripolyphosphate, 1094
 Softening Point (Rosins and Related
 Substances), 1432
 Drop Method, 1432
 Ring-And-Ball Method, 1433
 Solidification Point, 1281

- Solin Oil**, 1095
Solubility in Alcohol (Essential Oils and Flavors), 1405
Solubility Specifications and Statements, 3
Soluble Saccharin, 1086
Solutions
 Colorimetric, 1559
 Preparation of, 5
 Standard Buffer, 1559
 Water for, 5
Solutions and Indicators, 1559
Sone-ka-varh, 538
Sophoretin, 990
Sorbic Acid, 1095
Sorbitan Monododecanoate, 934
Sorbitan Monolaurate, 1096
Sorbitan Mono-octadecanoate, 935
Sorbitan Mono-9-octadecenoate, 937
Sorbitan Monooleate, 1097
Sorbitan Monopalmitate, 1098
Sorbitan Monostearate, 1099
Sorbitan Tristearate, 1099
D-Sorbite, 1100
Sorbitol, 1100
D-Sorbitol, 1100
Sorbitol Solution, 1101
 Noncrystallizing, 1102
Soybean-Casein Digest Agar, 1460
Soybean-Casein Digest Broth, 1460
Soybean Oil (Unhydrogenated), 1105
 High oleic, 1106
Soy Protein Concentrate, 1105
Spearmint Oil, 1106
Specific Gravity, 5
 Fats and Related Substances, 1423
"Specificity", Defined, 1575
Specific Rotation, 1278
Spectrophotometric Identification
 Tests, 1356
 Infrared Absorption, 1356
 Infrared Spectra, 1356
 Ultraviolet Absorption, 1357
Spice Oleoresins, 1107
 Angelica seed, 1107
 Anise, 1108
 Basil, 1108
 Black pepper, 1108
 Capsicum, 1108
 Caraway, 1108
 Cardamom, 1108
 Celery, 1108
 Coriander, 1108
 Cubeb, 1108
 Cumin, 1108
 Dillseed, 1108
 Fennel, 1108
 Ginger, 1108
 Hop, 1108
 Laurel leaf, 1108
 Marjoram sweet, 1108
 Origanum, 1108
 Paprika, 1108
 Parsley leaf, 1108
 Parsley seed, 1108
 Pimenta berries, 1108
 Rosemary, 1108
 Thyme, 1108
 Turmeric, 1108
Spike Lavender Oil, 1109
Spirulina, 1110
Stability (Fats and Related Substances), 1423
 Active Oxygen Method, 1423
Standard Buffer Solutions, 1559
Standard Solutions
 Ammonium, 1560
 Barium, 1560
 Iron, 1560
 Magnesium, 1560
 Phosphate, 1560
Standard Solutions for the Preparation of Controls and Standards, 1560
Stannous Chloride, 1113
Stannous Chloride TS, 1565
Staphylococcus Aureus, 1491
Starch Hydrolysate, Hydrogenated, 1114
Starch Iodate Paper, 1571
Starch Iodide Paper, 1571
Starch Iodide Paste TS, 1565
Starch TS, 1565
Starter Distillate, 1115
Stearic Acid, 1115
Stearin, 536
6-Stearoyl-3-keto-L-gulofuranolactone, 90
Stearyl Alcohol, 1115
Stearyl Citrate, 1117
Stearyl Monoglyceridyl Citrate, 1117
Sterculia Gum, 635
Stevia Leaf Extract, 1118
Steviol Glycosides, 1118
Stock Buffer Solution, 1459
Strawberry Aldehyde, 438
Stronger Ammonia Water, 56
Sublimed sulfur, 1135
Submissions to the Food Chemicals Codex, 1575
Succinic Acid, 1122
Succinylated Monoglycerides, 1123
Sucralose, 1123
Sucroesters, 1131
Sucromalt, 1125
Sucrose, 1128
Sucrose Acetate Isobutyrate, 1130
Sucrose Fatty Acid Esters, 1131
Sucrose (Refractive Index Scale), 1449
Sugar, 1128
Sugar Beet Fiber, 1133
Sugar Beet Pulp, 1133
Sulfanilic Acid TS, 1565
Sulfated Ash (Residue on Ignition), 1312
Sulfate Identification Test, 1317
Sulfate Limit Test, 1321
Sulfite Identification Test, 1317
Sulfiting Agents, Labeling, 2
2-Sulfoethylamine, 1149
Sulfur, 1135, 1357
Sulfur Dioxide, 1136
Sulfur Dioxide Detector Tube, 1571
Sulfur Dioxide Determination, 1441
Sulfuric Acid, 1137, 1565
Sulfuric Acid, 1 N, 1569
Sulfuric Acid, Alcoholic, 0.5 N, 1569
Sulfuric Acid, Alcoholic, 5 N, 1569
Sulfuric Acid Table, 1313
Sulfuric Acid TS, 1565
Sulfuric Acid TS, Diluted, 1565
Sulfurool, 757
Sulphur, 1135
Summer Savory Oil, 1029
Sunflower Oil (Unhydrogenated), 1138
Sunset Yellow, 1139
Sunset Yellow FCF, 464, 1139
Superglycerinated Fully Hydrogenated Rapeseed Oil, 996
Sweet Basil Oil, 113
Sweet Orange Oil, 855
Sweetwood Bark Oil, 262
Symbols, 6
Synthetic Amorphous Silica, 1036
Synthetic Iron Oxide, 1140
Synthetic Lycopen, 701
Synthetic Magnesium Silicate, 714
Synthetic Paraffin, 864
 Oil Content, 1304
Synthetic Petroleum Wax, 885
Synthetic Terpene Resin, 1155
Synthetic Wax (Ethylene Polymer or Ethylene Copolymer with Alpha-Olefins), 885
- ## T
- D-Tagatose**, 1141
Tagetes Extract, 1142
Talc, 1142
Tallow, 1143
Tangerine Oil, Coldpressed, 1144
Tangerine Oil, Expressed, 1144
Tannic Acid, 1145
Tannic Acid TS, 1565
Tara Gum, 1146
"Tared Container", Defined, 6
Tarragon Oil, 1147
Tartaric Acid, 1148
L(+)-Tartaric Acid, 1148
Tartrate Identification Test, 1317
Tartrazine, 463, 1148
Taurine, 1149
TBHQ, 1151
Tea Polyphenols from Green Tea, Decaffeinated, 1153
Temperatures, 5
Terpene Resin, Natural, 1155
Terpene Resin, Synthetic, 1155
 α -Terpinene, 1156
 γ -Terpinene, 1156
Terpinen-4-ol, 1156
 α -Terpineol, 1157
Terpinyl Acetate, 1157
Terpinyl Propionate, 1158
Tests and Assays, 4

- Tests for Absence of Specific Microorganisms, 1461
 Test Solutions (TS) and Other Reagents, 1560
 δ -**Tetradecalactone**, 1159
 Tetradecanal, 808
 Tetradecanoic Acid, 809
 1-Tetradecanol, 809
 Tetradecyl Alcohol, 809
Tetrahydrofurfuryl Alcohol, 1160
 Tetrahydrogeraniol, 388
Tetrahydrolinalool, 1161
 Tetrahydro-2H-1,4-oxazine, 806
2,3,5,6-Tetramethylpyrazine, 1161
 Tetrapotassium Pyrophosphate, 963
 Tetrasodium 4-acetamido-5-hydroxy-6-
 ({7-sulfonato-4-[(4-sulfonatophenyl)diazenyl]naphthalen-
 1-yl}diazenyl)naphthalene-1,7-
 disulfonate, 154
 Tetrasodium Diphosphate, 1085
 Tetrasodium Pyrophosphate, 1085
Thaumatococin, 1162
L-Theanine, 1163
 Thermometers, 1261
 Thiamine Chloride, 1164
Thiamine Hydrochloride, 1164
Thiamine Mononitrate, 1165
 Thiamine Nitrate, 1165
 Thibetolide, 876
 Thin-Layer Chromatography, 1268
 Thioallyl ether, 49
 Thiobenzyl alcohol, 130
 Thiobismethane, 389
 3,3-Thiobispropane, 49
 Thiophenol, 119
 Thiosulfate Identification Test, 1317
 Thorium Nitrate 0.1 M, 1569
 L-Threonic Acid Calcium Salt, 221
L-Threonine, 1166
 Thuja Oil, 265
Thyme Oil, 1167
Thyme Oleoresin, 1108
Thymol, 1168
 Thymol Blue, 1570
 Thymol Blue TS, 1565
 Thymolphthalein, 1570
 Thymolphthalein TS, 1565
 Tight Container, 3
 Time Limits, 5
 Tin Dichloride, 1113
Titanium Dioxide, 1169
 Title of Monograph
 CAS number, 2
 FEMA number, 2
 INS number, 2
 Molecular Structure and Chemical
 Formulas, 2
 Titrimetric Assays (Flavor Chemicals
 Other Than Essential Oils), 1455
 Direct Aqueous Acid Base Titrations,
 1455
 Direct Aqueous Alcoholic Acid Base
 Titrations, 1455
 TMG, 138
All-rac- α -Tocopherol, 1174
 DL- α -Tocopherol, 1174
 DL- α -Tocopherol Acetate, 1175
 D- α -Tocopherol Concentrate, 1172
RRR- α -Tocopherol Concentrate,
 1172
 Tocopherols, 1424
 Tocopherols Concentrate, Mixed, 1176
RRR- α -Tocopherols Concentrate,
Mixed, 1176
All-rac- α -Tocopheryl Acetate, 1175
 D- α -Tocopheryl Acetate, 1179
 DL- α -Tocopheryl Acetate, 1175
RRR- α -Tocopheryl Acetate, 1179
 D- α -Tocopheryl Acetate Concentrate,
 1177
RRR- α -Tocopheryl Acetate
Concentrate, 1177
 D- α -Tocopheryl Acetate Preparation,
 1177
 D- α -Tocopheryl Acid Succinate, 1180
RRR- α -Tocopheryl Acid Succinate,
 1180
 Tolerances, 6
p-Tolualdehyde, 1182
Tolualdehyde, Mixed Isomers,
 1182
 Toluene Distillation Method (for
 Water), 1289
 α -Toluic Acid, 899
 α -Toluic Aldehyde, 897
 o-Tolyl Acetate, 783
 p-Tolyl Acetate, 321
 Tolyl Aldehyde, Mixed Isomers, 1182
 p-Tolyl Aldehyde, 1182
p-Tolyl Isobutyrate, 1183
 Tomato Oleoresin Extract, 696
 Torula Yeast, 1228
 Total Aerobic Microbial Count, 1461
 Total Alcohols (Essential Oils and
 Flavors), 1405
 Total Capsaicinoids Content, 1430
 Total Color (Color Additive Assays),
 1344
 Total Monoglycerides, 1419
 Total Solids, 1443
 Glucose Syrup (Corn Syrup), 1444
 High-Fructose Corn Syrup, 1446
 Invert Sugar, 1449
 Maltodextrin, 1446
 Total Unsaturation (Chewing Gum
 Base Polymers), 1364
 Total Yeasts and Molds Count, 1461
 Trace Impurities, 6
Tragacanth, 1184
 Tragacanth Gum, 1184
 Transglutaminase, 407
 Transglutaminase Activity, 1398
trans-Resveratrol, Fermentation
(*Saccharomyces cerevisiae*), 1001
 trans-3,4',5-Trihydroxystilbene, 1001
Trehalose, 1185
Triacetin, 1187
 Triatomic Oxygen, 860
 Tribehenoyl-*sn*-glycerol, 532
Tributyrin, 1188
 Tricalcium Citrate, 189
 Tricalcium Phosphate, 213
 Trichloroethene, 1188
Trichloroethylene, 1188
 1,1,2-Trichloroethylene, 1188
 4,1',6'-Trichlorogalactosucrose, 1123
2-Tridecanone, 1186
2-Tridecenal, 1186
 Tridocosanoyl-*sn*-glycerol, 532
 Triethanolamine, 0.5 N, 1569
Triethyl Citrate, 1189
 (2R,3S)-2,3,4-Trihydroxybutyric Acid
 Hemicalcium Salt, 221
 3,7,12-Trihydroxycholanolic Acid, 279
 2,4 α ,7-Trihydroxy-1-methyl-8-
 methylenegibb-3-ene-1,10-
 dicarboxylic Acid 1,4- α -Lactone, 511
 3,5,4'-Trihydroxystilbene, 1001
 Triketohydrindene Hydrate TS, 1565
 Trimagnesium Phosphate, 714
 1-(2,6,6-Trimethyl-1-cyclohexenyl)-2-
 buten-1-one, 346
 4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-
 but-2-en-4-one, 344
 1-(2,6,6-Trimethyl-2-cyclohexenyl)-2-
 buten-1-one, 344
 4-(2,6,6-Trimethyl-2-cyclohexenyl)-2-
 butene-4-one, 344
 1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-
 2-buten-1-one, 347
 1-(2,6,6-Trimethyl-3-cyclohexenyl)-2-
 buten-1-one, 347
Trimethylamine, 1190
 4-Trimethylamino-3-hydroxybutyrate,
 238
 2-Trimethylammonioacetate, 138
 2,6,6-Trimethylbicyclo[3.1.1]hept-2-
 ene, 913
 4-(2,6,6-Trimethylcyclohex-1-enyl)but-
 2-en-4-one, 346
 4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-
 butene-2-one, 594, 595
 3,7,11-Trimethyl-1,6,10-dodecatrien-3-
 ol, 816
 3,7,11-Trimethyl-2,6,10-dodecatrien-1-
 ol, 457
 Trimethylene Glycol, 973
 Trimethylglycine, 138
3,5,5-Trimethyl Hexanal, 1190
2,4,5-Trimethyl δ -3-Oxazoline,
 1189
2,3,5-Trimethylpyrazine, 1190
 1,3,7-Trimethylxanthine, 182
 Trinitrophenol TS, 1565
 Triphosphate, 1094
 Tripotassium Citrate, 952
 Tripotassium Phosphate, 962
 Tripropionin, 536
 Trisodium Citrate, 1052
 Trisodium Diphosphate, 1191
 Trisodium Dipotassium
 Tripolyphosphate, 1084
 Trisodium Monohydrogen
 Diphosphate, 1191
 Trisodium Phosphate, 1081
Trisodium Pyrophosphate, 1191
 Tristearin, 536
 Trypsin, 405, 1399
 Trypsin Activity, 1399
DL-Tryptophan, 1192

L-Tryptophan, 1193
 Tunu (tuno), 734
Turmeric Oleoresin, 1108
 Turmeric Oleoresin, 1194
L-Tyrosine, 1195

U

Ultraviolet-Visible Spectroscopy, 1612
 Ultraviolet Absorbance of Citrus Oils
 (Essential Oils and Flavors), 1406
 Ultraviolet Absorption, 1357
 UMP disodium salt, 399
 Uncombined Intermediates and
 Products of Side Reactions, 1346
 δ -**Undecalactone**, 1196
 γ -**Undecalactone**, 1197
Undecanal, 1197
2-Undecanone, 1199
1,3,5-Undecatriene, 1198
 Undecen-10-al, 1200
10-Undecenal, 1200
(E)-2-Undecenal, 1201
Undecyl Alcohol, 1202
n-Undecyl Aldehyde, 1197
 UNII Code, 2
 Unmodified Food Starch, 487
 Unsaponifiable Matter, 1425
Urea, 1203
 Uridine 5'-monophosphate disodium
 salt, 399

V

"Vacuum", Defined, 6
Valeraldehyde, 1204
Valeric Acid, 1204
 γ -**Valerolactone**, 1205
 "Validation", Defined, 1575
 Validation of Food Chemicals Codex
 Methods, 1575
L-Valine, 1206
Vanillin, 1206
Vanillyl Butyl Ether, 1207
 Vegetable Oil, Brominated, 157
Vegetable Oil Phytosterol Esters,
 1208
 Venezuelan chicle, 734
Veratraldehyde, 1210
 Veratryl Aldehyde, 1210
 Vinyl alcohol polymer, 939
 Vinyl carbonyl cinnamate, 39
 1-Vinyl-2-pyrrolidone Crosslinked
 Insoluble Polymer, 322
 Violet Red Bile Glucose Agar, 1460

Viscosity (Rosins and Related
 Substances), 1436
 Viscosity Determination, 1283
 Cellulose Gum, 1286
 Dimethylpolysiloxane, 1284
 Methylcellulose, 1285
 Vital Wheat Gluten, 1216
Vitamin A, 1210
 Vitamin B₁, 1164, 1165
 Vitamin B₁ Hydrochloride, 1164
 Vitamin B₁ Mononitrate, 1165
 Vitamin B₂, 1006
 Vitamin B₆, 988
 Vitamin B₆ Hydrochloride, 988
Vitamin B₁₂, 1212
 Vitamin C, 88
 Vitamin C Sodium, 1044
 Vitamin C Stearate, 90
 Vitamin D, 1213, 1214
Vitamin D₂, 1213
Vitamin D₃, 1214
 Vitamin E Acetate, 1175
Vitamin K, 1215
 Volatile Acidity, 1426
 Volatile Oil Content
 Oleoresins, 1431
 Volatile Oil Content (Essential Oils and
 Flavors), 1406
 Volumetric Apparatus, 1263
Volumetric Solutions, 1565

W

Water (Reagent), 5
 Carbon Dioxide-Free, 5
 Deaerated water, 5
 Degassed Water, 5
 Water-Insoluble Matter (Color Additive
 Assays), 1350
 Water and Loss on Drying, 6
 Water Determination, 1287
 Coulometric Titration, 1288
 Direct Titration, 1287
 Karl Fischer Titrimetric Method,
 1287
 Residual Titration, 1288
 Toluene Distillation, 1289
 Water for Solutions, 5
 Water-Insoluble Matter, 1315
 Water Vapor Detector Tube, 1571
 Weighing Practices
 "Constant Weight", Defined, 6
 "Tared Container", Defined, 6
 Weights and Balances, 1264
 Weights and Measures, 6
 Well-Closed Container, 3

Wheat Gluten, 1216
Wheat Protein Isolate, 1217
Whey, 1217
Whey Protein Concentrate, 1220
Whey Protein Isolate, 1221
Whey, Reduced Lactose, 1218
Whey, Reduced Minerals, 1219
 White Cedar Leaf Oil, 265
 White Petrolatum, 883
 White Shellac, 1035
 White Wax, 115
 Wine Yeast Oil, 311
Wintergreen Oil, 1222
 Wood sugar, 1226
 Wool Fat, 662

X

Xanthan Gum, 1223
 Xanthaurine, 990
 Xylenol Orange, 1570
 Xylenol Orange TS, 1565
Xylitol, 1224
 D-Xylopyranose, 1226
Xylose, 1226
 (+)-Xylose, 1226
 D-Xylose, 1226
 Xylose Lysine Deoxycholate Agar,
 1460

Y

Yam Flour, 636
Yeast, Autolyzed, 1227
Yeast, Dried, 1228
Yeast Extract, 1230
 Yellow Petrolatum, 883
 Yellow Prussiate of Soda, 1056
 Yellow Wax, 116

Z

Zein, 1232
Zinc Acetate, 1234
 Zinc Acetate Dihydrate, 1234
 Zinc Distearate, 1236
Zinc Gluconate, 1234
 Zinc Identification Test, 1317
Zinc Oxide, 1235
Zinc Stearate, 1236
Zinc Sulfate, 1237
 Zinc Sulfate, 0.05 M, 1569
Zingerone, 1237