

Index

Titles of monographs are shown in the boldface type.

A

- Abbreviations, 7
 Absolute Alcohol (Reagent), 5
 Acacia, 602
 "Accuracy", Defined, 1641
 Acesulfame K, 9
Acesulfame Potassium, 9
 Acetal, 10
Acetaldehyde, 11
Acetaldehyde Diethyl Acetal, 10
 Acetaldehyde Test Paper, 1636
 Acetals (Essential Oils and Flavors), 1505
Acetanisoole, 12
 Acetate C-10, 389
 Acetate Identification Test, 1427
 Acetugenol, 500
 Acetic Acid Furfurylester, 543
Acetic Acid, Glacial, 12
 Acetic Acid TS, Diluted, 1624
 Acetic Acid TS, Strong, 1624
 Acetic Acid, Zinc Salt, Dihydrate, 1365
 Acetic Aldehyde, 11
 Acetic and Fatty Acid Esters of Glycerol, 19
 Acetic Periodic Acid TS, 1624
 Acetoacetic Ester, 467
 Acetoglycerides, 19
Acetoin (Dimer), 13
Acetoin (Monomer), 13
 α -Acetolactatedecarboxylase, 446
 2-Acetonaphthone, 844
Acetone, 14
Acetone Peroxides, 15
Acetophenone, 16
 2-Acetopyridine, 20
 N-Acetyl-L-2-amino-4-(methylthio)butyric Acid, 17
 3-Acetyl-6-methyl-1,2-pyran-2,4(3H)-dione, 391
3-Acetyl-2,5-Dimethyl Furan, 17
 4-Acetylanisoole, 12
 Acetylated Mono- and Diglycerides, 19
Acetylated Monoglycerides, 19
 Acetylbenzene, 16
 Acetyl Eugenol, 500
 Acetyl Groups, 1533
N-Acetyl-L-Methionine, 17
 Acetyl Methyl Carbinol, 13
 Acetyl Propionyl, 972
2-Acetylpyrazine, 21
2-Acetylpyridine, 20
3-Acetylpyridine, 20
2-Acetylpyrrole, 21
2-Acetyl Thiazole, 18
 Acetyl Valeryl, 608
 Acetyl Value, 1510
 Achilleic Acid, 25
 Acid (Reagent), 5
 Acid-Hydrolyzed Milk Protein, 22
 Acid-Hydrolyzed Proteins, 22
 Acid Calcium Phosphate, 240
Acid Hydrolysates of Proteins, 22
 Acidic Sodium Aluminum Phosphate, 1148
Acidified Sodium Chlorite Solutions, 24
 Acidity Determination by Iodometric Method, 1547
 Acid Magnesium Phosphate, 791
 Acid Number (Rosins and Related Substances), 1529
 Acid Phosphatase Activity, 1474
 Acid Phthalate Buffer, 1623
 Acid Sodium Pyrophosphate, 1145
 Acid Trisodium Pyrophosphate, 1317
 Acid Value
 Fats and Related Substances, 1510
 Flavor Chemicals (Other than Essential Oils), 1549
 Acid Value (Essential Oils and Flavors), 1505
Aconitic Acid, 25
 Activated Carbon, 264
 Active Oxygen Method, 1522
 Added Substances, 2
 Adenosine 5'-monophosphate, 26
 Adenosine 5'-phosphoric Acid, 26
 Adenylic Acid, 26
5'-Adenylic Acid, 26
Adipic Acid, 29
 Admissions, xv
 Adulterants and Contaminants in Food Ingredients, 1553
 Diethylene Glycol and Ethylene Glycol in Glycerin, 1553
 Pesticide Residues, 1553
Advantame, 30
 Ag, 1142
Agar, 34
DL-Alanine, 34
L-Alanine, 35
 Alcohol, 469, 1624
 Alcohol (Reagent), 5
 Alcohol, 70%, 1624
 Alcohol, 80%, 1624
 Alcohol, 90%, 1625
 Alcohol, Absolute, 1624
 Alcohol, Aldehyde-Free, 1625
 Alcohol C-6, 626
 Alcohol C-8, 933
 Alcohol C-9, 922
 Alcohol C-10, 390
 Alcohol C-11, 1328
 Alcohol C-12, 738
 Alcohol C-16, 614
 Alcohol Content of Ethyl Oxyhydrate Flavor Chemicals (Other than Essential Oils), 1547
 Alcohol, Diluted, 1624
 Alcoholic Potassium Hydroxide TS, 1625
 Alcoholometric Table, 1729
 Aldehyde C-6, 616
 Aldehyde C-7, 607
 Aldehyde C-8, 926
 Aldehyde C-9, 916
 Aldehyde C-10, 386
 Aldehyde C-11 Undecyclic, 1323
 Aldehyde C-11 Undecylenic, 1326
 Aldehyde C-12, 738
 Aldehyde C-12 MNA, 878
 Aldehyde C-14 Pure, So-Called, 1322
 Aldehyde C-16, 485
 Aldehyde C-18, So-Called, 915
 Aldehydes (Essential Oils and Flavors), 1505
 Aldehydes and Ketones
 Flavor Chemicals (Other than Essential Oils), 1545
 Hydroxylamine Method, 1546
 Hydroxylamine *tert*-Butyl Alcohol Method, 1545
 Aldehydes and Ketones (Essential Oils and Flavors), 1505
 Algin, 63, 210, 1046, 1145
Alginate-Konjac-Xanthan Polysaccharide Complex, 36
 Alginates Assay, 1446
 Algin Derivative, 1083
Alginic Acid, 38
Alitame, 38
 Alkaline Borate Buffer, 1623
 Alkaline Cupric Tartrate TS, 1625
 Alkaline Mercuric Potassium Iodide TS, 1625, 1628
 All-*trans*-Retinol, 1337
 Allspice Oil, 1005
 All-*trans*-Lycopene, 772, 774
Allura Red, 40
 Allura Red AC, 40, 506
p-Allylanisoole, 454
Allyl Anthranilate, 41
 Allyl Beta-phenylacrylate, 42

- Allyl Butanoate, 42
Allyl Butyrate, 42
 Allyl Caproate, 46
Allyl Cinnamate, 42
Allyl Cyclohexane Valerate, 43
Allyl Cyclohexanepropionate, 43
 Allyl-3-cyclohexanepropionate, 43
 Allyl Cyclohexyl Valerate, 43
 4-Allyl-1,2-dimethoxy Benzene, 859
Allyl Disulfide, 44
 4-Allylguaiacol, 499
Allyl Heptanoate, 45
 Allyl Heptoate, 45
Allyl Hexanoate, 46
 Allyl Ionone, 47
Allyl α -Ionone, 47
 Allyl Isopentanoate, 49
Allyl Isothiocyanate, 48, 1549
Allyl Isovalerate, 49
Allyl Mercaptan, 50
 4-Allyl-2-methoxyphenol, 499
 4-Allyl-2-methoxy-phenyl Acetate, 500
Allyl Phenoxy Acetate, 51
Allyl Propionate, 52
 Allyl Sulfhydrate, 50
Allyl Sulfide, 52
 Allylthiol, 50
Almond Oil, Bitter, FFPA, 53
 alpha-Amyl-beta-phenylacrolein
 Dimethyl Acetal, 79
 alpha-*n*-Amyl-beta-phenylacryl Acetate,
 80
 alpha-Amyl-beta-phenylacryl Formate,
 81
Alpha-Amylcinnamaldehyde
 Dimethyl Acetal, 79
 alpha-Amylcinnamic Aldehyde
 Dimethyl Acetal, 79
Alpha-Amylcinnamyl Acetate, 80
Alpha-Amylcinnamyl Alcohol, 80
Alpha-Amylcinnamyl Formate, 81
 alpha-(Benzylidithio)toluene, 144
(-)- α -Bisabolol, 168
 α -D(x) Ribofuranose, 1109
 alpha-Mercaptoluene, 148
 alpha-(Methylthio)toluene, 148
 alpha-Pentylcinnamaldehyde Dimethyl
 Acetal, 79
 alpha-Pentylcinnamyl Acetate, 80
 alpha-Pentylcinnamyl Alcohol, 80
 alpha-Pentylcinnamyl Formate, 81
 Alphazurine 2G, 1635
 Alternative Analytical Procedures, 2
Aluminum Ammonium Sulfate, 54
 Aluminum Identification Test, 1427
 Aluminum Limit Test, 1429
Aluminum Potassium Sulfate, 55
 Aluminum Silicate, 132
Aluminum Sodium Sulfate, 55
Aluminum Sulfate, 56
Amaranth, 57
 Ambrette Seed Liquid, 61
Ambrette Seed Oil, 61
 N-[4-[[[(2-Amino-1,4-dihydro-4-oxo-6-
 pteridiny] methyl]amino]benzoyl]-L-
 glutamic Acid, 531
 L- α -Amino- β -phenylpropionic Acid,
 996
 L-2-Amino-3-hydroxybutyric Acid,
 1288
 4-Amino-3-hydroxybutyric Acid
 Trimethylbetaine, 272
 DL-2-Amino-3-hydroxypropanoic Acid,
 1137
 L-2-Amino-3-hydroxypropanoic Acid,
 1138
 DL- α -Amino- β -phenylpropionic Acid,
 995
 DL- α -Amino-3-indolepropionic Acid,
 1318
 L- α -Amino-3-indolepropionic Acid,
 1319
 L-2-Amino-3-mercaptopropanoic Acid
 Monohydrochloride, 376
 L-2-Amino-3-methylbutyric Acid, 1333
 DL-2-Amino-3-methylvaleric Acid, 693
 L-2-Amino-3-methylvaleric Acid, 694
 L- α -Amino-4(or 5)-imidazolepropionic
 Acid, 637
 L- α -Amino-4(or 5)-imidazolepropionic
 Acid Monohydrochloride, 637
 DL-2-Amino-4-(methylthio)butyric Acid,
 828
 L-2-Amino-4-(methylthio)butyric Acid,
 829
 N-[*p*-[[[(2-Amino-4-hydroxy-6-
 pteridiny]methyl]amino]benzoyl]
 glutamic Acid, 531
 DL-2-Amino-4-methylvaleric Acid, 748
 L-2-Amino-4-methylvaleric Acid, 749
 L-2-Amino-5-guanidinovaleric Acid, 98
 L-2-Amino-5-guanidinovaleric Acid
 Monohydrochloride, 99
 Aminoacetic Acid, 592
 L-2-Aminoglutaric Acid, 576
 α -Amino Nitrogen Determination,
 1447
 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),
 230
 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),
 230
2-Aminoethanesulfonic Acid, 1269
2-Aminoethylsulfonic Acid, 1269
 L-2-Aminopentanedioic Acid, 574
 2-Aminopentanedioic Acid
 Hydrochloride, 575
 Aminopeptidase Activity, 1475
 Aminopeptidase, Leucine, 446
 DL-2-Aminopropanoic Acid, 34
 L-2-Aminopropanoic Acid, 35
 L- α -Aminosuccinamic Acid, 101
 DL-Aminosuccinic Acid, 105
 L-Aminosuccinic Acid, 107
 Ammonia-Ammonium Chloride Buffer
 TS, 1625
 Ammoniacal Silver Nitrate TS, 1625
 Ammonia Detector Tube, 1637
 Ammonia Nitrogen Determination,
 1448
Ammonia Solution, 62
Ammoniated Glycyrrhizin, 63
 Ammonia TS, 1625
 Ammonia TS, Stronger, 1625
 Ammonium Acetate TS, 1625
Ammonium Alginate, 63
 Ammonium Alum, 54
Ammonium Bicarbonate, 64
Ammonium Carbonate, 65
 Ammonium Carbonate TS, 1625
Ammonium Chloride, 65
 Ammonium Chloride TS, 1625
Ammonium Citrate, Dibasic, 66
Ammonium Citrate, Tribasic, 66
 Ammonium Dihydrogen Phosphate,
 68
 Ammonium Glutamate, 885
 Ammonium Glycyrrhizinate, 887
 Ammonium Glycyrrhizinate,
 Pentahydrate, 887
 Ammonium Hydroxide, 62
 Ammonium Hydroxide (Reagent), 5
 Ammonium Identification Test, 1427
 Ammonium Iron (II) Phosphate, 520
 Ammonium Magnesium Potassium
 Chloride, Hydrate, 782
 Ammonium Molybdate TS, 1625
 Ammonium Oxalate TS, 1625
 Ammonium Peroxodisulfate, 67
Ammonium Persulfate, 67
Ammonium Phosphate, Dibasic,
 68
Ammonium Phosphate, Monobasic, 68
 Ammonium Phosphatides, 71
Ammonium Polyphosphate, 69
Ammonium Saccharin, 70
**Ammonium Salts of Phosphatidic
 Acid**, 71
 Ammonium Salts of Phosphorylated
 Glyceride, 71
 Mixed Ammonium Salts of
 Phosphorylated Glycerides, 71
 Ammonium Standard Solution, 1624
 Ammonium Sulfanilate TS, 1625
Ammonium Sulfate, 74
 Ammonium Sulfide TS, 1625
 Ammonium Thiocyanate, 0.1 N, 1630
 Ammonium Thiocyanate TS, 1625
 AMP, 26, 71
 Amyl Acetate, 666
1-Amyl Alcohol, 75
 Amylase, 445
 α -Amylase Activity (Bacterial), 1477
 α -Amylase Activity (Nonbacterial),
 1476
 α -Amylase, 1476
 β -Amylase, 448
Amyl Butyrate, 75, 668
 Amyl Caprylate, 76
 Amylcinnamaldehyde, 78
 α -**Amylcinnamaldehyde**, 78
n-Amylcinnamic Alcohol, 80
Amyl Formate, 75, 670
Amyl Heptanoate, 76

Amyl Hexanoate, 671
 Amyl Isovalerate, 673
Amyl Octanoate, 76
 Amyloglucosidase, 1472
 Amyloglucosidase Activity, 1482
Amyl Propionate, 77
 Amyl Salicylate, 674
 Amyl Valerate, 673
 Amyl Vinyl Carbinol, 929
Amryis Oil, West Indian Type, 81
 Analytical Samples, 4
Anethole, 82, 1549
trans-Anethole, 82
 Aneurine Hydrochloride, 1286
Angelica Root Oil, 83
Angelica Seed Oil, 84
Angelica Seed Oleoresin, 1222
 Angular Rotation, 1396
 Anhydrous Alcohol (Reagent), 5
o-Anisaldehyde, 85
p-Anisaldehyde, 832
Anise Oil, 85
 Anise Oleoresin, 1222
 Anisic Alcohol, 88
 Anisic Aldehyde, 832
 Anisidine Value, 1510
Anisole, 86, 1549
Anisyl Acetate, 87
 Anisyl Acetone, 879
Anisyl Alcohol, 88
 Anisyl alpha-Toluene, 90
Anisyl Butyrate, 89
Anisyl Formate, 89
Anisyl Phenylacetate, 90
 Anisyl Propanoate, 91
Anisyl Propionate, 91
Annatto Extracts, 91
 Annotations, xvi
 Anthrone TS, 1625
 Antimony Trichloride TS, 1625
 APDC Extraction Method (for Lead), 1442
 APM, 102
 APM-Ace, 104
 APO, 92
 Apocarotenal, 92
 β -Apo-8'-Carotenal, 92
 Apparatus for Tests and Assays, 4, 1381
Arabinogalactan, 98
 D-Araboascorbic Acid, 450
 Arachidonic Acid-Rich Oil, 93
ARA from Fungal (*Mortierella alpina*) Oil, 93
 ARA Fungal Oil, 93
 ARA-Rich Oil, 93
 ARA-Rich Single Cell Oil, 93
 Argentum, 1142
L-Arginine, 98
L-Arginine Monohydrochloride, 99
 Arsenic Limit Test, 1429
 Arsenic Limit Test (Chewing Gum Base Polymers), 1469
Ascorbic Acid, 99
 L-Ascorbic Acid, 99
Ascorbyl Palmitate, 100
 Ash (Acid-Insoluble), 1406

Ash (Total), 1406
L-Asparagine, 101
Aspartame, 102
Aspartame-Acesulfame Salt, 104
DL-Aspartic Acid, 105
L-Aspartic Acid, 107
 N-L- α -Aspartyl-L-phenylalanine 1-Methyl Ester, 102
 L- α -Aspartyl-N-(2,2,4,4-tetramethyl-3-thietanyl)-D-alaninamide, hydrated, 38
Aspergillus niger, 1471
Aspergillus niger var., 1471
 Astaxanthin, 107
 Astaxanthin Esters, 107
Astaxanthin Esters from *Haematococcus pluvialis*, 107
 Astaxanthin Fatty Acid Esters, 107
 Atomic Absorption Spectrophotometric Graphite Furnace Method (for Lead), 1439
 Atomic Weights, 5, 1732
 Au, 593
 Aurum, 593
 Autolyzed Yeast, 1357
 Autolyzed Yeast Extract, 1360
Azodicarbonamide, 112
 Azodicarboxylic Acid Diamide, 112
Azorubine, 113
 Azo Violet, 1635

B

Bacillus coagulans GBI-30, 6086, 118
 Baker's Yeast Beta Glucan, 153
 Baking Soda, 1151
 Balsam Fir Oil, 529
Balsam Peru Oil, 126
 Barium Chloride TS, 1625
 Barium Diphenylamine Sulfonate TS, 1625
 Barium Hydroxide, 0.2 N, 1631
 Barium Hydroxide TS, 1625
 Barium Standard Solution, 1624
 Barley, 1471
 Barley Malt, 1471
 Basic Sodium Aluminum Phosphate, 1149
Basil Oil, Comoros Type, 127
Basil Oil, European Type, 128
 Basil Oil Exotic, 127
 Basil Oil, Italian Type, 128
 Basil Oil, Réunion Type, 127
Basil Oleoresin, 1222
 Bay Leaf Oil, 736
Bay Oil, 129
 BCD, 365
 BDS, 144
Beeswax, White, 130
Beeswax, Yellow, 131
 Beet Fiber, 1250
 Beet Sugar, 1244
 1,3-Behenic-2-oleic Glyceride, 170
 Benedict's Qualitative Reagent, 1625
Bentonite, 132
Benzaldehyde, 133
Benzaldehyde Glyceryl Acetal, 134
Benzaldehyde Propylene Glycol Acetal, 135
 Benzene (in Paraffinic Hydrocarbon Solvents), 1448
 Benzenemethanethiol, 148
Benzenethiol, 135
 Benzidine TS, 1625
 1,2-Benzisothiazole-3(2H)-one-1,1-Dioxide, 1119
 1,2-Benzisothiazole-3(2H)-one 1,1-Dioxide Sodium Salt, 1198
 1,2-Benzisothiazolin-3-one-1,1-Dioxide, Calcium Salt, 244
 1,2-Benzisothiazolin-3-one 1,1-Dioxide Ammonium Salt, 70
 Benzoate Identification Test, 1427
1,2-Benzodihydropyrone, 136
Benzoic Acid, 137
 Benzoic Acid, Hexahydro, 374
Benzophenone, 138
 o-Benzosulfimide, 1119
 Benzoylbenzene, 138
Benzoyl Peroxide, 139
3-Benzyl-4-Heptanone, 142
 Benzyl 3-oxobutanoate, 141
Benzyl Acetate, 140
Benzyl Acetoacetate, 141
 Benzyl Acetylacetate, 141
Benzyl Alcohol, 141
Benzyl Benzoate, 142
 Benzyl beta-Ketobutyrate, 141
Benzyl Butyrate, 143
 Benzyl *n*-Butyrate, 143
Benzyl Cinnamate, 143
 Benzyl Dipropyl Ketone, 142
Benzyl Disulfide, 144
Benzyl Formate, 145
 2-Benzylideneheptanol, 80
Benzyl Isobutyrate, 146
Benzyl Isovalerate, 147
Benzyl Mercaptan, 148
 Benzyl 3-Methyl Butyrate, 147
 Benzyl 2-Methyl Propionate, 146
Benzyl Methyl Sulfide, 148
Benzyl Phenylacetate, 149
 Benzyl Propanoate, 150
Benzyl Propionate, 150
Benzyl Salicylate, 151
 Benzylthiol, 148
Bergamot Oil, Coldpressed, 152
 Beta-1,3-glucan, 360
 Beta-Carotene, 275
beta-Cyclodextrin, 365
Beta Glucan from Baker's Yeast (*Saccharomyces cerevisiae*), 153
Betaine, 156
BHA, 157
BHT, 158
 Bibenzene, 166
 Bicarbonate Identification Test, 1427
***Bifidobacterium animalis ssp. lactis* BI-07**, 158
***Bifidobacterium animalis ssp. lactis* BI-04**, 161

Bifidobacterium animalis* ssp. *lactis**HN019**, 163

Bile-Tolerant Gram-Negative Bacteria, 1551

Biobased Content of 1,3-Propanediol, 1557

Biotin, 166*d*-Biotin, 166**Biphenyl**, 166

1,1-Biphenyl, 166

Birch Tar Oil, Rectified, 167

2,10-Bisaboladien-7-ol, 168

Bisabolene, 168Bis(2-amino-2-deoxy- β -D-glucopyranose) Sulfate Potassium Chloride Complex (-,-), 568Bis(2-amino-2-deoxy- β -D-glucopyranose) Sulfate Sodium Chloride Complex (-,-), 571

Bis(D-glucose, 2-amino-2-deoxy-), Sulfate Potassium Chloride Complex, 568

Bis(D-glucose, 2-amino-2-deoxy-), Sulfate Sodium Chloride Complex, 571

Bismuth Nitrate TS, 1625

Bisulfite Identification Test, 1427

Bitter Almond Oil Free from Prussic Acid, 53

Black Pepper Oil, 169**Black Pepper Oleoresin**, 1222

Black PN, 173

Blank Tests, 5

Bohenin, 170**Bois de Rose Oil**, 170

Boric Acid-Potassium Chloride, 0.2 M, 1623

Borneol, 171**Bornyl Acetate**, 172

L-Bornyl Acetate, 172

Bound Styrene (Chewing Gum Base Polymers), 1466

Brewer's Yeast, 1358

Brilliant Black BN, 173

Brilliant Black PN, 173**Brilliant Blue**, 177

Brilliant Blue FCF, 177, 503

Brilliant Carmine 6B, 765

Brilliant Green BS, 597

Bromelain, 445, 1471

Bromide Identification Test, 1427

Brominated Vegetable Oil, 179

Bromine, 0.1 N, 1631

Bromine TS, 1625

Bromocresol Blue, 1635

Bromocresol Blue TS, 1625

Bromocresol Green, 1635

Bromocresol Green TS, 1625

Bromocresol Purple, 1635

Bromocresol Purple TS, 1626

Bromophenol Blue, 1635

Bromophenol Blue TS, 1626

Bromothymol Blue, 1635

Bromothymol Blue TS, 1626

Brown HT, 179

Buffer Solutions

Acid Phthalate, 1623

Alkaline Borate, 1623

Hydrochloric Acid, 1623

Neutralized Phthalate, 1623

Phosphate, 1623

Phosphate, pH 7.2, 1550

Standard, 1623

Stock, 1550

Butadiene-Styrene Rubber, 183**Butane**, 188*n*-Butane, 188

Butane-1,3-diol, 204

Butane, 1-isothiocyanato-, 199

1,4-Butanedicarboxylic Acid, 29

Butanedioic Acid, 1238

2,3-Butanedione, 406

2,3-Butanedithiol, 190Butanoic Acid, 2-amino-4-(methylseleno)-, (*S*)-, 1135

1-Butanol, 193

Butan-3-one-2-yl Butanoate, 187**2-Butanone**, 190(*E*)-Butenedioic Acid, 539

Butter Starter Distillate, 1229

n-Butyl-*n*-valerianate, 203

Butyl 2-Aminobenzoate, 194

Butyl Acetate, 193*n*-Butyl Acetate, 193**Butyl Alcohol**, 193

Butyl Aldehyde, 205

Butyl Anthranilate, 194*n*-Butyl Anthranilate, 194

Butylated Hydroxyanisole, 157

Butylated Hydroxymethylphenol, 204

Butylated Hydroxytoluene, 158

Butyl beta-Phenylacrylate, 197

Butyl Butyrate, 195*n*-Butyl *n*-Butyrate, 195**Butyl Butyrylactate**, 196

Butyl Caproate, 198

Butyl Cinnamate, 197*n*-Butyl Cinnamate, 197**2-sec-Butyl Cyclohexanone**, 191

Butyl Dodecanoate, 200

Butyl Dodecylate, 200

1,3-Butylene Glycol, 204

Butyl Ester, 196

Butyl Heptanoate, 197

Butyl Heptylate, 197

Butyl Hexanoate, 198*tert*-Butylhydroquinone, 1271**Butyl Isobutyrate**, 198**Butyl Isothiocyanate**, 199*n*-Butyl isothiocyanate, 199**Butyl Isovalerate**, 200**Butyl Laurate**, 200**Butyl 2-Methyl Butyrate**, 192

Butyl mustard oil, 199

Butyl *o*-Aminobenzoate, 194

Butyl Octadecanoate, 202

Butyl Oenanthatate, 197

Butyl pentanoate, 203

n-Butyl pentanoate, 203**Butyl Phenylacetate**, 201

Butyl 3-Phenylpropenoate, 197

Butyl Rubber, 689

Butyl Stearate, 202**Butyl Valerate**, 203**Butyraldehyde**, 205

Butyrate, 196

Butyric Acid, 205

Butyrolin, 1313

 γ -**Butyrolactone**, 206

Butyryllactic Acid, 196

C

Cadmium Limit Test, 1431

Caffeine, 208**Calcium Acetate**, 209**Calcium Acid Pyrophosphate**, 209**Calcium Alginate**, 210**Calcium Ascorbate**, 211**Calcium Benzoate**, 211

Calcium Biphosphate, 240

Calcium Bromate, 213**Calcium Carbonate**, 213**Calcium Chloride**, 214

Calcium Chloride Double Salt of DL- or

D-Calcium Pantothenate, 236

Calcium Chloride Solution, 215

Calcium Chloride TS, 1626

Calcium Citrate, 216**Calcium Cyclamate**, 216

Calcium Cyclohexanesulfamate, 216

Calcium Cyclohexylsulfamate, 216

Calcium Disodium Edetate, 217

Calcium Disodium EDTA, 217

Calcium Disodium

Ethylenediaminetetraacetate, 217

Calcium Disodium

(Ethylenedinitrilo)tetraacetate, 217

Calcium Gluconate, 219**Calcium Glycerophosphate**, 219

Calcium guanosine-5-monophosphate, 220

Calcium guanylate, 220

Calcium 5'-Guanylate, 220**Calcium Hydroxide**, 221

Calcium Hydroxide TS, 1626

Calcium Hydroxyapatite, 241

Calcium Identification Test, 1427

Calcium Iodate, 222**Calcium L-Threonate**, 250**Calcium Lactate**, 222**Calcium Lactobionate**, 223**Calcium Lignosulfonate**, 224**Calcium Lignosulfonate (40-65)**, 226**Calcium L-5-****Methyltetrahydrofolate**, 230**Calcium Oxide**, 234**Calcium Pantothenate**, 235

D-Calcium Pantothenate, 235

Calcium Pantothenate, Calcium Chloride Double Salt, 236**Calcium Pantothenate, Racemic**, 237**Calcium Peroxide**, 238**Calcium Phosphate, Dibasic**, 239**Calcium Phosphate, Monobasic**, 240**Calcium Phosphate, Tribasic**, 241

- Calcium Propanoate, 242
Calcium Propionate, 242
Calcium Pyrophosphate, 243
Calcium Saccharin, 244
 Calcium salt of 3-hydroxy-4-[(4-methyl-2-sulfophenyl)azo]-2-naphthalenecarboxylic acid, 765
 Calcium, Seaweed-Derived, 1133
Calcium Silicate, 245
Calcium Sorbate, 247
Calcium Stearate, 247
 Calcium Stearoyl Lactate, 248
Calcium Stearoyl Lactylate, 248
 Calcium Stearoyl-2-Lactylate, 248
Calcium Sulfate, 250
 Calcium Sulfate TS, 1626
 Calcium Threonate, 250
Camphene, 252
d-Camphor, 252
(+)-Camphor, 252
Cananga Oil, 252
Candelilla Wax, 253
 Cane Sugar, 1244
Canola Oil, 254
 Cantha, 256
Canthaxanthin, 256
 Capillary Electrophoresis, 1661
 Capraldehyde, 386
 Capric Acid, 387
 Caproic Acid, 617
 Caproic Aldehyde, 616
 Capryl Alcohol, 933
 Caprylic Acid, 927
 Caprylic Aldehyde, 926
Capsicum Oleoresin, 1223
Caramel, 257
 Caramel Color, 257
Caraway Oil, 263
Caraway Oleoresin, 1223
 Carbamide, 1329
 Carbohydrase, 446, 1472
 Aspergillus niger var., 1471, 1472, 1473
 Aspergillus oryzae var., 1471, 1472, 1473
 Bacillus acidopullulyticus, 1474
 Bacillus licheniformis (Containing a *Bacillus stearothermophilus* Gene), 1471
 Bacillus licheniformis var., 1471
 Bacillus stearothermophilus, 1471
 Bacillus subtilis (Containing a *Bacillus megaterium* Gene), 1471
 Bacillus subtilis (Containing a *Bacillus stearothermophilus* Gene), 1471, 1473
 Bacillus subtilis var., 1471, 1472
 Barley, 1471
 Barley Malt, 1471
Candida pseudotropicalis, 1473
Kluyveromyces marxianus var. *lactis*, 1473
Mortierella vinacea var. *raffinoseutilizer*, 1472
Rhizopus niveus, 1472
Rhizopus oryzae var., 1472
Saccharomyces sp., 1473
Saccharomyces sp. (*cerevesiae*), 1473
Saccharomyces sp. (*Kluyveromyces*), 1473
Trichoderma longibrachiatum, 1472, 1473
Trichoderma longibrachiatum (Formerly *reesei*), 1472, 1473
 Carbohydrase and Protease, Mixed, 447
Carbohydrate Authenticity Markers For Soluble (Instant) Coffee, 1561
 Carbohydrates and Related Substances, Tests and Assays, 1533
 Acetyl Groups, 1533
 Crude Fat, 1533
 Invert Sugar Determination, 1533
 Lactose Determination, 1535
 Propylene Chlorohydrin Determination, 1535
 Reducing Sugars Assay, 1536
 Sulfur Dioxide Determination, 1537
 Total Solids, 1538
Carbon, Activated, 264
 Carbonate Identification Test, 1427
Carbon Dioxide, 267
 Carbon Dioxide-Free Water, 5
 Carbon Dioxide Detector Tube, 1637
 Carbon Monoxide Detector Tube, 1637
 (*R*)-3-Carboxy-2-hydroxy-*N,N,N*-trimethyl-1-propanaminium Hydroxide, Inner Salt, 272
 Carboxycyclohexane, 374
 [2-Carboxy- β -(*N*-(*b*-methoxycarbonyl-2-phenyl)ethylcarbamoyl)] ethanaminium 6-methyl-4-oxo-1,2,3-oxathiazin-3-ide-2,2-dioxide, 104
Cardamom Oil, 269
Cardamom Oleoresin, 1223
Carmine, 270
 Carmine 6B, 765
 Carminic Acid, 270
Carnauba Wax, 271
L-Carnitine, 272
 Carob Bean Gum, 768
 Carotene, 273, 275
 β -**Carotene**, 273
 Beta-Carotene, 273
 β -**Carotene From Blakeslea Trispora**, 275
 β - β -Carotene-3,3'-diol, (3*R*,3'*S*)-(3*R*,3'*S*-meso)-Zeaxanthin, 1362
 β -Carotene-4,4'-dione, 256
 Carr-Price Reagent, 1626
Carrageenan, 277
Carrot Seed Oil, 287
Carvacrol, 288
(-)-Carveol, 288
 L-Carveol, 288
 4-Carvomenthenol, 1276
(+)-Carvone, 289
(-)-Carvone, 290
d-Carvone, 289
dextro-Carvone, 289
 L-Carvone, 290
levo-Carvone, 290
(-)-Carvyl Acetate, 291
 L-Carvyl Acetate, 291
 β -**Caryophyllene**, 292
Cascarilla Oil, 293
Casein and Caseinate Salts, 294
 CAS number, 2
Cassia Oil, 295
Castor Oil, 296
 Catalase, 447, 1472
 Catalase Activity, 1478
 Catalase, Bovine Liver, 445
 Caustic Potash, 1055
 Caustic Soda, 1171
 Caustic Soda Solutions, 1171
 gamma-CD, 367
Cedar Leaf Oil, 297
Celery Oleoresin, 1223
Celery Seed Oil, 298
 Cellulase Activity, 1478
 Cellulose, Ethyl, 473
Cellulose Gel, 299
Cellulose Gum, 300
 Cellulose Gum Viscosity, 1402
 Cellulose, Hydroxypropyl, 650
 Cellulose, Methyl Ethyl, 853
 Cellulose, Microcrystalline, 299
Cellulose, Powdered, 302
 Centrifuge, 5
 Ceric Ammonium Nitrate TS, 1626
 Ceric Sulfate, 0.01 N, 1631
 Ceric Sulfate, 0.1 N, 1631
 Cetyl alcohol, 614
Cetylpyridinium Chloride, 303
Chamomile Oil, English Type, 305
Chamomile Oil, German Type, 306
 Chamomile Oil, Hungarian Type, 306
 Chandi-ka-vark, 1142
 Chemical Formulas, 2
 Chemical Tests and Determinations, 1427
 Chewing Gum Base Polymers, 1466
 Arsenic Limit Test, 1469
 Bound Styrene, 1466
 Lead Limit Test, 1469
 Molecular Weight, 1467
 Quinones, 1467
 Residual Styrene, 1468
 Total Unsaturation, 1469
 Chicle, 814
 Chilte, 815
 China Clay, 703
 Chiquibul, 814
Chitosan, 307
 Chloride and Sulfate Limit Tests, 1431
 Chloride Identification Test, 1427
 Chloride Limit Test, 1431
 Chlorinated Compounds (Essential Oils and Flavors), 1506
Chlorine, 311
 Chlorine Detector Tube, 1637
 Chlorine TS, 1626
 Chlorophyll, 1511
 Chocolate Brown HT, 179
 Cholic Acid, 312
 Cholecalciferol, 1342
Cholic Acid, 312
Choline Bitartrate, 312

- Choline Chloride**, 313
 Chromatography, 1385
 Column, 1386
 Gas, 1388
 High-Performance Liquid, 1390
 Paper, 1386
 Thin-Layer, 1387
Chromic Chloride, 314
 Chromium (Color Additive Assays), 1450
 Chromium(III) Picolinate, 315
 Chromium(III) Trispicolinate, 315
 Chromium chloride hexahydrate, 314
 Chromium chloride hexahydrate (III), 314
 Chromium chloride (III), 314
Chromium Picolinate, 315
 Chromium trichloride hexahydrate, 314
 Chromium Tripicolinate, 315
 Chromotropic Acid TS, 1626
 Chymosin, 447, 1472
 Chymotrypsin, 445, 1479
 Chymotrypsin Activity, 1479
 CI Food Black 1, 173
 Cinene, 754
 1,8-Cineol, 498
 Cineole, Percentage of (Essential Oils and Flavors), 1507
 Cinnamal, 317
Cinnamaldehyde, 317
Cinnamic Acid, 318
 Cinnamic Acid, Butyl Ester, 197
 Cinnamic Acid *n*-Butyl Ester, 197
 Cinnamic Alcohol, 322
 Cinnamic Aldehyde, 317
Cinnamon Bark Oil, Ceylon Type, 319
Cinnamon Leaf Oil, 319
 Cinnamon Oil, 295
Cinnamyl Acetate, 321
Cinnamyl Alcohol, 322
Cinnamyl Butyrate, 323
Cinnamyl Cinnamate, 324
Cinnamyl Formate, 324
Cinnamyl Isobutyrate, 325
Cinnamyl Isovalerate, 326
Cinnamyl Propionate, 327
Citral, 328
 Citrate Identification Test, 1427
 CITREM, 330
Citric Acid, 329
 Citric Acid Esters of Mono- and Diglycerides, 330
Citric and Fatty Acid Esters of Glycerol, 330
 Citridic Acid, 25
 Citroglycerides, 330
Citronellal, 332
Citronellol, 333
Citronellyl Acetate, 334
Citronellyl Butyrate, 335
Citronellyl Formate, 336
Citronellyl Isobutyrate, 337
 Citronellyl Propanoate, 338
Citronellyl Propionate, 338
 Citrus Oils, Ultraviolet Absorbance (Essential Oils and Flavors), 1508
Clary Oil, 339
 Clary Sage Oil, 339
 Class: Bis-azo, 179
 CI Food Blue 1, 653
 CI Food Brown 3, 179
 CI Food Green 4, 597
 CI Food Orange 5, 275
 CI Food Red 14, 452
 CI Food Yellow 13, 1094
 CI Food Yellow 4, 1268
 CI No. 20285, 179
 Clove Bud Oil, 341
Clove Leaf Oil, 340
Clove Oil, 341
Clove Stem Oil, 342
 CI Pigment Red 57, 765
 CMC, 300
 Coagulated or Concentrated Latices of Vegetable Origin, 814
 CMP, 378
 Cobalt-Uranyl Acetate TS, 1626
 Cobalt Identification Test, 1427
 Cobaltous Chloride TS, 1626
Cocoa Butter Substitute, 343
Coconut Oil (Unhydrogenated), 345
Cognac Oil, Green, 345
 Cold Test, 1511
Coliforms, 1569
 Color (AOCS-Wesson), 1511
 Color Additive Assays
 Chromium, 1450
 Ether Extracts, 1450
 Leuco Base, 1451
 Loss on Drying, 1457
 Mercury, 1451
 Sodium Chloride, 1452
 Sodium Sulfate, 1453
 Total Color, 1453
 Uncombined Intermediates and Products of Side Reactions, 1454
 Water-Insoluble Matter, 1457
 Color Determination, 1450
 Colorimetric Solutions, 1623
 Color Value (Oleoresins), 1526
 Column Chromatography, 1386
 Congo Red TS, 1626
 "Constant Weight", Defined, 7
 Containers, 3
 Light-Resistant Container, Defined, 3
 Tight Container, Defined, 3
 Well-Closed Container, Defined, 3
Copaiba Oil, 346
Copovidone, 347
Copper Gluconate, 350
 Copper Identification Test, 1427
 Copper Limit Test, 1432
Copper Sulfate, 351
 Copper Sulfate TS, 1626
Coriander Oil, 352
Coriander Oleoresin, 1223
 Corrmint Oil, Partially Dementholized, 824
Corn Oil (Unhydrogenated), 353
 Corn Sugar, 395
 Corn Syrup, 573
Costus Root Oil, 353
Cottonseed Oil (Unhydrogenated), 354
 Coulometric Titration (for water), 1405
 Cream of Tartar, 1045
 Cresol Red, 1635
 Cresol Red-Thymol Blue TS, 1626
 Cresol Red TS, 1626
 Cresyl Acetate (Test for Free Cresol), 1549
***p*-Cresyl Acetate**, 355
p-Cresyl Isobutyrate, 1307
p-Cresyl Methyl Ether, 835
Crospovidone, 356
 Crown gum, 814
 Crude Fat, 1533
Cryptocodium cohnii Oil, 396
 Crystal Violet, 1635
 Crystal Violet TS, 1626
Cubeb Oil, 357
Cubeb Oleoresin, 1223
 Cuminal, 359
 Cuminaldehyde, 359
Cuminic Aldehyde, 359
p-Cuminic Aldehyde, 359
Cumin Oil, 358
Cumin Oleoresin, 1223
 Cupric Citrate TS, Alkaline, 1625, 1626
 Cupric Nitrate TS, 1626
 Cupric Sulfate, 351
 Cupric Sulfate Test Paper, 1636
 Cupric Sulfate TS, 1626
 Cupric Tartrate TS, Alkaline, 1626
 Curcumin Content, 1526
Curdlan, 360
 Cyanidenolon 1522, 1091
 Cyanocobalamin, 1340
 Cyanogen Bromide TS, 1626
Cyclamen Aldehyde, 361
Cyclamic Acid, 362
 3-Cyclohexene-1-methanol, α ,4-dimethyl- α -(4-methyl-3-pentenyl)-, [*S*-(*R**,*R**)]-, 168
 α -**Cyclodextrin**, 363
 γ -Cyclodextrin, 367
 β -Cyclodextrin, 365
gamma-Cyclodextrin, 367
Cyclohexane, 370
Cyclohexanecarboxylic Acid, 374
 1,2,3,5/4,6-Cyclohexanehexol, 655
 Cyclohexanoic Acid, 374
Cyclohexyl Acetate, 375
 Cyclohexylcarboxylic Acid, 374
 Cyclohexylmethanoic Acid, 374
 Cyclomaltooctaose, 367
 Cyclooctaamylose, 367
 Cyclopentadecanolide, 970
***p*-Cymene**, 375
L-Cysteine Monohydrochloride, 376
L-Cystine, 377
 Cytidine 5'-monophosphate, 378
 Cytidine 5'-phosphoric acid, 378
 Cytidylic acid, 378
5'-Cytidylic Acid, 378

D

- D.E., 410
 DAG Oil, 408
 Damar Gum, 383
 Damar Resin, 383
 α -**Damascone**, 382
 β -**Damascone**, 382
 δ -**Damascone**, 383
 Damasione, 382
 Dammar, 383
Dammar Gum, 383
 Dammar Resin, 383
 Danish Agar, 540
 Data Elements Required for Assay
 Validation, 1643
 DATEM, 406
 D&C Red No. 7, 765
 "Deaerated water", Defined, 6
(E),(E)-2,4-Decadienal, 384
trans-2,4-Decadienal, 384
 δ -**Decalactone**, 384
 γ -**Decalactone**, 385
Decanal, 386
Decanoic Acid, 387
 1-Decanol, 390
(E)-2-Decenal, 387
(Z)-4-Decenal, 388
cis-4-Decenal, 388
trans-2-Decenal, 387
Decyl Acetate, 389
Decyl Alcohol, 390
 "Degassed Water", Defined, 6
 Dehydrated Alcohol (Reagent), 5
Dehydroacetic Acid, 391
 Denigès' Reagent, 1626
 Deoxycholic Acid, 392
 Description, Statement of, 3
 Function, 3
 Odorless, 3
 Desiccators and Desiccants, 5
Desoxycholic Acid, 392
 Detector Tubes, 1637
 Ammonia Detector Tube, 1637
 Carbon Dioxide Detector Tube,
 1637
 Carbon Monoxide Detector Tube,
 1637
 Chlorine Detector Tube, 1637
 Hydrogen Sulfide Detector Tube,
 1637
 Nitric Oxide-Nitrogen Dioxide
 Detector Tube, 1637
 Sulfur Dioxide Detector Tube, 1637
 Water Vapor Detector Tube, 1637
 Devitalized Wheat Gluten, 1345
Dexpanthenol, 392
Dextrin, 393
 Dextro Calcium Pantothenate, 235
 Dextronic acid, 564
Dextrose, 395
**DHA from Algal (*Cryptocodium*)
 Oil**, 396
**DHA from Algal (*Schizochytrium*)
 Oil**, 400
DHA from Algal (*Ulkenia*) Oil, 404
Diacetyl, 406
**Diacetyl Tartaric Acid Esters of
 Mono- and Diglycerides**, 406
Diacylglycerol Oil, 408
 Diallyl disulfide, 44
 Diallyl sulfide, 52
 2,6-Diaminohexanoic Acid
 Hydrochloride, 779
 Diammonium Hydrogen Citrate, 66
 Diammonium Hydrogen Phosphate,
 68
 Diammonium Peroxydisulfate, 67
 Diammonium Phosphate, 68
 Diaquo bis(glycinato) iron (II), 524
 Diastase Activity, 1480
Diatomaceous Earth, 410
 Diatomaceous Silica, 410
 Diatomite, 410
Dibenzyl Ether, 411
 2,6-Di-*tert*-butyl-*p*-cresol, 158
 Dicalcium Phosphate, 239
 Dicarboxylic Acid, 425
 1,6-Dichloro-1,6-dideoxy- β -D-
 fructofuranosyl-4-chloro-4-deoxy- α -
 D-galactopyranoside, 1240
 1,2-Dichloroethane, 496
 Dichloromethane, 873
 Dichlorophenol-Indophenol TS, 1626
 Dietary Fiber from Beets, 1250
1,2-Di[(1'-ethoxy)ethoxy]propane,
 412
 Diethylene Glycol and Ethylene Glycol
 in Glycerin, 1553
 Diethylene Imidoxide, 891
 Diethylene Oximide, 891
Diethyl Malonate, 412
Diethyl Sebacate, 413
Diethyl Succinate, 414
 Dihydroanethole, 1078
Dihydrocarveol, 415
(+)-Dihydrocarvone, 415
d-Dihydrocarvone, 415
 Dihydrocoumarin, 136
 (3*S*,3'*S*)-3,3'-Dihydroxy- β,β -carotene-4,
 4'-dione, 107
 3 α ,12 α -Dihydroxycholanolic Acid, 392
 2,7-Dihydroxynaphthalene TS, 1626
 2-(3,4-Dihydroxyphenyl)-5,7-
 dihydroxy-4*H*-chromen-4-one-3-yl 6-
 O- α -L-rhamnopyranosyl- β -D-
 glucoside, 1116
 2-(3,4-Dihydroxyphenyl)-3,5,7-
 trihydroxy-4*H*-1-benzopyran-4-one,
 1091
 1,2-Dihydroxypropane, 1082
 1,3-Dihydroxypropane, 1073
 4,4'-Diketo- β -carotene, 256
Dilauryl Thiodipropionate, 416
 Dill Herb Oil, American Type, 418
 Dill Oil, 418
 Dill Oil, Indian Type, 417
Dill Seed Oil, European Type, 417
 Dill Seed Oil, Indian, 417
Dill Seed Oil, Indian Type, 417
Dillseed Oleoresin, 1223
Dillweed Oil, American Type, 418
 Dimagnesium Phosphate, 790
 2,3-Dimercaptobutane, 190
 1,2-Dimethoxy-4-allylbenzene, 854
 3,4-Dimethoxybenzaldehyde, 1337
 1,1-Dimethoxy-2-benzylideneheptane,
 79
 (2-(Dimethoxymethyl)-1-
 heptenyl)benzene, 79
2,6-Dimethoxy Phenol, 428
 2,5-Dimethyl-3-acetylfuran, 17
 6,6-Dimethyl-2-methylenebicyclo[3.1.
 1]heptane, 1009
 3,7-Dimethyl-1,6-octadien-3-ol, 757
cis-3,7-Dimethyl-2,6-octadien-1-ol, 902
E-3,7-Dimethyl-2,6-octadien-1-ol, 553
trans-3,7-Dimethyl-2,6-octadien-1-ol,
 553
 3,7-Dimethyl-1,6-octadien-3-yl
 Acetate, 555, 759
cis-3,7-Dimethyl-2,6-octadien-1-yl
 Acetate, 904
 3,7-Dimethyl-1,6-octadien-3-yl
 Benzoate, 556, 760
 3,7-Dimethyl-2,6-octadien-1-yl
 Butyrate, 557
 3,7-Dimethyl-1,6-octadien-3-yl
 Formate, 558, 761
 3,7-Dimethyl-6-octadien-3-yl
 Isobutyrate, 762
 3,7-Dimethyl-2,6-octadien-1-yl
 Phenylacetate, 560
 3,7-Dimethyl-2,6-octadien-1-yl
 Propionate, 561
 3,7-Dimethyl-6-octadien-3-yl
 Propionate, 763
 3,7-Dimethyl-3-octanol, 1282
 3,7-Dimethyl-6-octen-1-ol, 332
 3,7-Dimethyl-6-octen-1-ol, 333
 3,7-Dimethyl-6-octen-1-yl Acetate, 334
 3,7-Dimethyl-6-octen-1-yl Butyrate,
 335
 3,7-Dimethyl-6-octen-1-yl Formate,
 336
 3,7-Dimethyl-6-octen-1-yl Isobutyrate,
 337
 3,7-Dimethyl-6-octen-1-yl Propionate,
 338
Dimethyl Anthranilate, 422
Dimethyl Benzyl Carbinol, 422
Dimethyl Benzyl Carbinyl Acetate,
 423
**Dimethyl Benzyl Carbinyl
 Butyrate**, 424
N-[*N*-(3,3-Dimethylbutyl)-*L*- α -aspartyl]-
L-phenylalanine 1-Methyl Ester, 899
**3,4-Dimethyl 1,2-
 Cyclopentandione**, 420
Dimethyl Dicarboxylate, 425
 Dimethyldiketone, 406
 Dimethyl Ester, 425
 Dimethylglyoxal, 406
2,6-Dimethyl-5-heptenal, 419
 Dimethylketol, 13
 Dimethyl Ketone, 14
 Dimethyl Octanol, 421
3,7-Dimethyl-1-octanol, 421
 α,α -Dimethylphenethyl Acetate, 423
 α,α -Dimethylphenethyl Alcohol, 422
 α,α -Dimethylphenethyl Butyrate, 424

Dimethylpolysiloxane, 428
 Dimethylpolysiloxane Viscosity, 1401
2,3-Dimethylpyrazine, 429
2,5-Dimethylpyrazine, 430
2,6-Dimethylpyrazine, 431
 Dimethyl Pyrocarbonate, 425
2,5-Dimethylpyrrole, 432
 Dimethyl Silicone, 428
Dimethyl Succinate, 426
Dimethyl Sulfide, 427
Diocetyl Sodium Sulfosuccinate, 433
 Diodium 2-(1,3-dioxo-2-indanyl)-6,8-quinolinesulfates, 1094
 1,4-Dioxane Limit Test, 1433
 Diphenyl, 166
 Diphenylamine TS, 1626
 Diphenylcarbazon TS, 1626
Diphenyl Ether, 435
 Diphenyl Ketone, 138
 Di(phenylmethyl)disulfide, 144
 Diphenyl Oxide, 435
 Dipotassium Monophosphate, 1061
 Dipotassium Phosphate, 1061
 α,α -Dipyridyl TS, 1626
 Direct Aqueous Acid Base Titrations (Flavor Chemicals Other Than Essential Oils), 1546
 Direct Aqueous Alcoholic Acid Base Titrations (Flavor Chemicals Other Than Essential Oils), 1547
 Direct Titration (for Water), 1403
 Disodium
 (Ethylenedinitrilo)tetraacetate, 436
 Disodium 5'-Guanylate, 437
 Disodium 5'-Inosinate, 438
Disodium 5'-Uridylate, 439
 Disodium Dihydrogen Diphosphate, 1145
 Disodium Dihydrogen Pyrophosphate, 1145
 Disodium 4,4'-(2,4-dihydroxy-5-hydroxymethyl-1,3-phenylene-bisazo) di-1-naphthalene-sulfonate, 179
 Disodium DL-Malate, 1182
 Disodium Edetate, 436
Disodium EDTA, 436
 Disodium EDTA, 0.05 M, 1631
 Disodium Ethylenediaminetetraacetate, 436
 Disodium Guanosine-5'-monophosphate, 437
Disodium Guanylate, 437
Disodium Inosinate, 438
 Disodium Inosine-5'-monophosphate, 438
 DL-Disodium Malate, 1182
 Disodium Monohydrogen Phosphate, 1190
 Disodium Phosphate, 1190
 Disodium Pyrophosphate, 1145
 Disodium 2-(2-quinolyl)-indan-1,3-dionedisulfonates, 1094
 Disodium selenate, 1199
 Disodium Tartrate, 1205
 Disodium L-Tartrate, 1205

Disodium uridine 5'-monophosphate, 439
 Distillation Range, 1394
 3,3'-Dithiobis(2-aminopropanoic acid), 377
 Dithizone, 1635
 Dithizone Method (for Lead), 1438
 Dithizone TS, 1626
 DMDC, 425
 Docusate Sodium, 433
 δ -**Dodecalactone**, 442
 γ -**Dodecalactone**, 443
 Dodecanal, 738
 Dodecanoic Acid, 737
 Dodecanoic Acid, Butyl Ester, 200
 1-Dodecanol, 738
(E)-2-Dodecen-1-al, 444
trans-2-Dodecen-1-al, 444
 Dorinone, 382
 Dried Glucose Syrup, 574
 Dried Yeast, 1358
 DSS, 433

E

E. Coli, 1571
 Edible Gelatin, 550
 Electrolytic Iron, 662
 Electrophoresis, 1657
 Elemental Impurities by ICP, 1457
 Emulsifier YN, 71
 Enanthic Alcohol, 612
 Enocianina, 595
 Enterobacteria Enrichment Broth Mossel, 1550
Enterobacter Sakazakii (*Cronobacter SPP.*), 1552
Enterococci, 1572
 Enzyme-Hydrolyzed (Source) Protein, 959
Enzyme-Modified Fats, 450
 Enzyme-Modified (Source) Protein, 959
 Enzyme Assays, 1471
 Acid Phosphatase Activity, 1474
 Aminopeptidase Activity, 1475
 α -Amylase Activity (Bacterial), 1477
 α -Amylase Activity (Nonbacterial), 1476
 Amyloglucosidase Activity, 1482
 Catalase Activity, 1478
 Cellulase Activity, 1478
 Chymotrypsin Activity, 1479
 Diastase Activity, 1480
 α -Galactosidase Activity, 1481
 β -Glucanase Activity, 1482
 Glucoamylase Activity, 1482
 Glucose Isomerase Activity, 1483
 Glucose Oxidase Activity, 1485
 Hemicellulase Activity, 1485
 Invertase Sumner Unit Activity, 1486
 Lactase (Acid) Activity, 1489
 Lactase (Neutral) Activity, 1487
 Lipase (Microbial) Activity for Medium- and Long-Chain Fatty Acids, 1490

Lipase Activity, 1489
 Lysozyme Activity, 1491
 Maltogenic Amylase Activity, 1492
 Milk-Clotting Activity, 1493
 Pancreatin Activity, 1493
 Pepsin Activity, 1495
 Phospholipase A₂ Activity, 1496
 Phytase Activity, 1496
 Plant Proteolytic Activity, 1498
 Proteolytic Activity, Bacterial (PC), 1499
 Proteolytic Activity, Fungal (HUT), 1500
 Proteolytic Activity, Fungal (SAP), 1500
 Pullulanase Activity, 1501
 Transglutaminase Activity, 1502
 Trypsin Activity, 1503
Enzyme Preparations, 445
 Enzyme Preparations Used in Food Processing, 1471
 Eosin Y TS, 1626
 1,8 Epoxy-*p*-menthane, 498
 Epoxypropane, 1084
 Epsom Salt, 795
 Equisetic Acid, 25
 Ergocalciferol, 1341
 Eriochrome Black T, 1635
 Eriochrome Black TS, 1626
Erythorbic Acid, 450
Erythritol, 451
meso-Erythritol, 451
Erythrosine, 452, 505
 Essential Oils and Flavors, Tests and Assays, 1505
 Acetals, 1505
 Acid Value, 1505
 Aldehydes, 1505
 Aldehydes and Ketones, 1505
 Chlorinated Compounds, 1506
 Esters, 1506
 Linalool Determination, 1507
 Percentage of Cineole, 1507
 Phenols, 1507
 Phenols, Free, 1508
 Residue on Evaporation, 1508
 Solubility in Alcohol, 1508
 Total Alcohols, 1508
 Ultraviolet Absorbance of Citrus Oils, 1508
 Volatile Oil Content, 1509
 Ester Determination (Essential Oils and Flavors), 1506
 Ester Gum, 579, 585
 Esters (Essential Oils and Flavors), 1506
 Ester Value (Essential Oils and Flavors), 1507
Estragole, 454
 Estragon Oil, 1266
 Ethanal, 11
 Ethanol, 469
 Ethanol (Reagent), 5
 Ether Extracts (Color Additive Assays), 1450
Ethone, 455
p-Ethoxychrysoidin TS, 1626

p-Ethoxychrysoidin
 Monohydrochloride, 1636
 6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline, 456
 3-Ethoxy-4-hydroxybenzaldehyde, 493
 1-Ethoxy-2-hydroxy-4-propenylbenzene, 1074
Ethoxylated Mono- and Diglycerides, 455
Ethoxyquin, 456
Ethyl Acetate, 466
Ethyl Acetoacetate, 467
Ethyl Acrylate, 468
Ethyl Alcohol, 469
 Ethyl Alcohol (Reagent), 5
 Ethyl *o*-Aminobenzoate, 470
Ethyl *p*-Anisate, 463
Ethyl Anthranilate, 470
Ethyl Benzoate, 471
Ethyl Benzoyl Acetate, 472
Ethyl-(*E*)-2-Butenoate, 493
 Ethyl-*trans*-2-butenoate, 493
 Ethyl Butyl Ketone, 610
2-Ethylbutyraldehyde, 495
Ethyl Butyrate, 472
2-Ethylbutyric Acid, 495
 Ethyl Caprate, 475
 Ethyl Caproate, 477
 Ethyl Capronate, 477
 Ethyl Caprylate, 487
Ethyl Cellulose, 473
Ethyl Cinnamate, 474
 Ethyl Citrate, 1314
 Ethyl Crotonate, 493
Ethyl Decanoate, 475
2-Ethyl-3,5(6)-dimethylpyrazine, 458
 Ethyl Dodecanoate, 481
Ethylene Brassylate, 494
trans-1,2-Ethylenedicarboxylic Acid, 539
Ethylene Dichloride, 496
 Ethylene Trichloride, 1314
 Ethyl ester of *p*-hydroxybenzoic acid, 497
2-Ethyl Fenchol, 457
Ethyl Formate, 476
 5-*N*-Ethyl-L-glutamine, 1285
4-Ethyl Guaiacol, 461
Ethyl Heptanoate, 476
 Ethyl Heptoate, 476
Ethyl Hexanoate, 477
2-Ethyl Hexanol, 458
 2-Ethyl-1-hexanol, 458
 Ethyl *p*-Hydroxybenzoate, 497
5-Ethyl 3-Hydroxy 4-Methyl 2(5H)-Furanone, 462
 Ethyl 2-Hydroxypropionate, 480
 2-Ethyl-3-hydroxy-4-pyrone, 484
Ethyl Isobutyrate, 478
Ethyl Isovalerate, 479
Ethyl Lactate, 480
Ethyl Laurate, 481
Ethyl Lauroyl Arginate, 481
Ethyl Levullinate, 483
 Ethyl Malonate, 412
Ethyl Maltol, 484

Ethyl *p*-Methoxybenzoate, 463
 Ethyl 3-Methylbutyrate, 479
Ethyl 2-Methylbutyrate, 464
Ethyl 2-Methylpentanoate, 465
Ethyl Methylphenylglycidate, 485
2-Ethyl-3-Methylpyrazine, 459
Ethyl 3-Methylthiopropionate, 466
Ethyl Myristate, 486
 Ethyl-*N^ω*-Dodecanoyl-L-Arginate • HCl, 481
 Ethyl-*N^ω*-Lauroyl-L-Arginate • HCl, 481
Ethyl Nonanoate, 486
 Ethyl 9-Octadecenoate, 488
Ethyl Octanoate, 487
 Ethyl Octoate, 487
Ethyl Oleate, 488
 Ethyl *p*-oxybenzoate, 497
 Ethyl 3-Oxybutanoate, 467
Ethyl Oxyhydrate (So-Called), 488
Ethylparaben, 497
 Ethyl Pelargonate, 486
 Ethyl *n*-Pentanoate, 492
Ethyl Phenylacetate, 489
Ethyl Phenylglycidate, 490
 Ethyl 3-Phenylpropionate, 474
Ethyl Propionate, 490
3-Ethyl Pyridine, 460
Ethyl Salicylate, 491
 Ethyl Sebacate, 413
 Ethyl Succinate, 414
Ethyl 10-Undecenoate, 464
Ethyl Valerate, 492
Ethyl Vanillin, 493
Eucalyptol, 498
Eucalyptus Oil, 498
 Eugenol Acetate, 500
Eugenol, 499
 Eugenol Acetate, 500
Eugenyl Acetate, 500
 Eugenyl Methyl Ether, 854
Euphasia superba Oil, 706
 Exaltolide, 970
 Expanded Perlite, 975

F

Farnesol, 501
Fast Green, 502
 Fast Green FCF, 502, 505
 Fats and Related Substances, 1510
 Acetyl Value, 1510
 Acid Value, 1510
 Anisidine Value, 1510
 Chlorophyll, 1511
 Cold Test, 1511
 Color (AOCS-Wesson), 1511
 Fatty Acid Composition, 1512
 Fatty Acid Composition (Saturated, *cis*-Monosaturated, and *cis*-Polyunsaturated) in Oils Containing Long Chain Polyunsaturated Fatty Acids, 1513
 Free Fatty Acids, 1516
 Free Glycerin or Propylene Glycol, 1516
 Hexane-Insoluble Matter, 1516
 Hydroxyl Value, 1516
 Iodine Value, 1517
 Lovibond Color, 1511
 Melting Range, 1517
 1-Monoglycerides, 1518
 Oxyethylene Determination, 1519
 Peroxide Value, 1520
 Reichert-Meissl Value, 1521
 Saponification Value, 1521
 Soap, 1522
 Specific Gravity, 1522
 Stability, 1522
 Tocopherols, 1523
 Total Monoglycerides, 1518
 Unsaponifiable Matter, 1524
 Volatile Acidity, 1525
 Fatty Acid Composition, 1512
 Fatty Acid Composition (Saturated, *cis*-Monosaturated, and *cis*-Polyunsaturated) in Oils Containing Long Chain Polyunsaturated Fatty Acids, 1513
 Fatty Acids, Free, 1516
 FCC in the U.S. Code of Federal Regulations, 1799
 FCC Specifications, 2
FD&C Blue No. 1, 503
FD&C Blue No. 2, 504
FD&C Green No. 3, 505
FD&C Red No. 3, 505
FD&C Red No. 40, 506
FD&C Yellow No. 5, 507
FD&C Yellow No. 6, 508
 Federal Regulations
 FCC in the U.S. Code of, 1799
 Fehling's Solution, 1627
 FEMA number, 2
(+)-Fenchone, 509
d-Fenchone, 509
Fenchyl Alcohol, 510
Fennel Oil, 510
Fennel Oleoresin, 1223
Ferric Ammonium Citrate, Brown, 511
Ferric Ammonium Citrate, Green, 513
 Ferric Ammonium Sulfate TS, 1627
 Ferric Chloride TS, 1627
 Ferric Chloride TS, Alcoholic, 1627
Ferric Citrate, 514
 Ferric Orthophosphate, 515
Ferric Phosphate, 515
Ferric Pyrophosphate, 517
 Ferric Sulfate TS, Acid, 1627
 Ferrous TS, 1627
Ferrous Ammonium Phosphate, 520
 Ferrous Ammonium Sulfate, 0.1 N, 1632
 Ferrous Bisglycinate, 524
Ferrous Citrate, 520
Ferrous Fumarate, 521
Ferrous Gluconate, 523
Ferrous Glycinate, 524
Ferrous Lactate, 525
Ferrous Sulfate, 527
Ferrous Sulfate, Dried, 528

- Ferrous Sulfate TS, 1627
 FHMO, 815
 Ficin, 446, 1472
 "Filtration", Defined, 5
Fir Needle Oil, Canadian Type, 529
Fir Needle Oil, Siberian Type, 530
 Fischer-Tropsch Paraffin, 955
 Flame Atomic Absorption Spectrophotometric Method (for Lead), 1439
 Flavin Mononucleotide, Sodium Salt, 1107
 Flavor Chemicals, Tests and Assays, 1544
 Acidity Determination by Iodometric Method (M-5), 1547
 Alcohol Content of Ethyl Oxyhydrate (M-4), 1547
 Assay by Gas Chromatography (M-1), 1544
 Assay by Titrimetric Procedures (M-3), 1546
 Aldehydes and Ketones (M-2), 1545
 Limit Test for Antioxidants in Ethyl Acrylate (M-6), 1547
 Limit Test for Hydrocarbons in Eugenol (M-7), 1548
 Limit Test for Hydrocyanic Acid in Benzaldehyde (M-8), 1548
 Limit Test for Lead (M-9), 1548
 Limit Test for Methyl Compounds in Ethyl Acetate (M-10), 1548
 Limit Test for Peroxide Value (M-11), 1548
 Limit Test for Readily Carbonizable Substances in Ethyl Acetate (M-12), 1548
 Limit Test for Readily Oxidizable Substances in *dl*-Menthhol (M-13), 1549
 Limit Test for Reducing Substances (M-14), 1549
 Acid Value (M-15), 1549
 Residue on Evaporation (M-16), 1549
 Qualitative Test for Phenols Using Ferric Chloride (M-17), 1549
Flavoring Agents
 Acetaldehyde, 11
 Acetaldehyde Diethyl Acetal, 10
 Acetanisole, 12
 Acetoin Dimer, 13
 Acetoin Monomer, 13
 Acetophenone, 16
 3-Acetyl-2,5-dimethyl Furan, 17
 2-Acetylpyrazine, 21
 3-Acetylpyridine, 20
 2-Acetylpyrrole, 21
 2-Acetyl Thiazole, 18
 Allyl Cyclohexanepropionate, 43
 Allyl Heptanoate, 45
 Allyl Hexanoate, 46
 Allyl α -Ionone, 47
 Allyl Isothiocyanate, 48
 Allyl Isovalerate, 49
 Allyl Phenoxy Acetate, 51
 Allyl Propionate, 52
 Almond Oil, Bitter, FPPA, 53
 Ambrette Seed Oil, 61
 Ammoniated Glycyrrhizin, 63
 1-Amyl Alcohol, 75
 Amyl Butyrate, 75
 α -Amylcinnamaldehyde, 78
 Amyl Formate, 75
 Amyl Heptanoate, 76
 Amyl Octanoate, 76
 Amyl Propionate, 77
 Amyris Oil, West Indian Type, 81
 Anethole, 82
 Angelica Root Oil, 83
 Angelica Seed Oil, 84
 Anise Oil, 85
 Anisole, 86
 Anisyl Acetate, 87
 Anisyl Alcohol, 88
 Anisyl Formate, 89
 Balsam Peru Oil, 126
 Basil Oil, Comoros Type, 127
 Basil Oil, European Type, 128
 Bay Oil, 129
 Benzaldehyde, 133
 Benzaldehyde Glyceryl Acetal, 134
 1,2-Benzodihydropyrene, 136
 Benzophenone, 138
 Benzyl Acetate, 140
 Benzyl Alcohol, 141
 Benzyl Benzoate, 142
 Benzyl Butyrate, 143
 Benzyl Cinnamate, 143
 Benzyl Formate, 145
 Benzyl Isobutyrate, 146
 Benzyl Isovalerate, 147
 Benzyl Phenylacetate, 149
 Benzyl Propionate, 150
 Benzyl Salicylate, 151
 Bergamot Oil, Coldpressed, 152
 Birch Tar Oil, Rectified, 167
 Black Pepper Oil, 169
 Bois de Rose Oil, 170
 Borneol, 171
 Bornyl Acetate, 172
 2-Butanone, 190
 Butan-3-one-2-yl Butanoate, 187
 Butyl Acetate, 193
 Butyl Alcohol, 193
 Butyl Butyrate, 195
 Butyl Butyryllactate, 196
 2-*sec*-Butyl Cyclohexanone, 191
 Butyl Isobutyrate, 198
 Butyl Isovalerate, 200
 Butyl 2-Methyl Butyrate, 192
 Butyl Phenylacetate, 201
 Butyl Stearate, 202
 Butyraldehyde, 205
 Butyric Acid, 205
 γ -Butyrolactone, 206
 Caffeine, 208
 Camphene, 252
 (+)-Camphor, 252
 Cananga Oil, 252
 Caraway Oil, 263
 Cardamom Oil, 269
 Carrot Seed Oil, 287
 Carvacrol, 288
 (-)-Carveol, 288
 (+)-Carvone, 289
 (-)-Carvone, 290
 (-)-Carvyl Acetate, 291
 β -Caryophyllene, 292
 Cascarilla Oil, 293
 Cassia Oil, 295
 Cedar Leaf Oil, 297
 Celery Seed Oil, 298
 Chamomile Oil, English Type, 305
 Chamomile Oil, German Type, 306
 Cinnamaldehyde, 317
 Cinnamic Acid, 318
 Cinnamon Bark Oil, Ceylon Type, 319
 Cinnamon Leaf Oil, 319
 Cinnamyl Acetate, 321
 Cinnamyl Alcohol, 322
 Cinnamyl Butyrate, 323
 Cinnamyl Cinnamate, 324
 Cinnamyl Formate, 324
 Cinnamyl Isobutyrate, 325
 Cinnamyl Isovalerate, 326
 Cinnamyl Propionate, 327
 Citral, 328
 Citronellal, 332
 Citronellol, 333
 Citronellyl Acetate, 334
 Citronellyl Butyrate, 335
 Citronellyl Formate, 336
 Citronellyl Isobutyrate, 337
 Citronellyl Propionate, 338
 Clary Oil, 339
 Clove Leaf Oil, 340
 Clove Oil, 341
 Clove Stem Oil, 342
 Cognac Oil, Green, 345
 Copaiba Oil, 346
 Coriander Oil, 352
 Costus Root Oil, 353
 p-Cresyl Acetate, 355
 Cubeb Oil, 357
 Cuminaldehyde, 359
 Cumin Oil, 358
 Cyclamen Aldehyde, 361
 Cyclohexyl Acetate, 375
 p-Cymene, 375
 (*E*),(*E*)-2,4-Decadienal, 384
 δ -Decalactone, 384
 γ -Decalactone, 385
 Decanal, 386
 (*E*)-2-Decenal, 387
 (*Z*)-4-Decenal, 388
 Decyl Alcohol, 390
 Diacetyl, 406
 Dibenzyl Ether, 411
 Diethyl Malonate, 412
 Diethyl Sebacate, 413
 Diethyl Succinate, 414
 Dihydrocarveol, 415
 (+)-Dihydrocarvone, 415
 Dill Seed Oil, European Type, 417
 Dill Seed Oil, Indian Type, 417
 Dillweed Oil, American Type, 418
 2,6-Dimethoxy Phenol, 428
 3,7-Dimethyl-1-octanol, 421
 2,6-Dimethyl-5-heptenal, 419

- 3,4-Dimethyl 1,2-Cyclopentandione, 420
 Dimethyl Anthranilate, 422
 Dimethyl Benzyl Carbinol, 422
 Dimethyl Benzyl Carbinyl Acetate, 423
 Dimethyl Benzyl Carbinyl Butyrate, 424
 2-Ethyl-3,5(6)-dimethylpyrazine, 458
 2,3-Dimethylpyrazine, 429
 2,5-Dimethylpyrazine, 430
 2,6-Dimethylpyrazine, 431
 2,5-Dimethylpyrrole, 432
 Dimethyl Succinate, 426
 Dimethyl Sulfide, 427
 Diphenyl Ether, 435
 1,2-Di[(1'-ethoxy)ethoxy]propane, 136
 δ -Dodecalactone, 442
 γ -Dodecalactone, 443
 (E)-2-Dodecen-1-al, 444
 Enzyme-Modified Fats, 450
 Estragole, 454
 Ethone, 455
 Ethyl Acetate, 466, 467
 Ethyl Acrylate, 468
 Ethyl *p*-Anisate, 463
 Ethyl Anthranilate, 470
 Ethyl Benzoate, 471
 Ethyl Benzoyl Acetate, 472
 Ethyl-(E)-2-butenolate, 493
 2-Ethylbutyraldehyde, 495
 Ethyl Butyrate, 472
 2-Ethylbutyric Acid, 495
 Ethyl Cinnamate, 474
 Ethyl Decanoate, 475
 2-Ethyl Fenchol, 457
 Ethyl Formate, 476
 4-Ethyl Guaiacol, 461
 Ethyl Heptanoate, 476
 Ethyl Hexanoate, 477
 2-Ethyl Hexanol, 458
 5-Ethyl 3-Hydroxy 4-Methyl 2(5H)-Furanone, 462
 Ethyl Isobutyrate, 478
 Ethyl Isovalerate, 479
 Ethyl Lactate, 480
 Ethyl Laurate, 481
 Ethyl Levulinate, 483
 Ethyl 2-Methylbutyrate, 464
 Ethyl 2-Methylpentanoate, 465
 Ethyl Methylphenylglycidate, 485
 2-Ethyl-3-methylpyrazine, 459
 Ethyl 3-Methylthiopropionate, 466
 Ethyl Myristate, 486
 Ethyl Nonanoate, 486
 Ethyl Octanoate, 487
 Ethyl Oleate, 488
 Ethyl Oxyhydrate (so-called), 488
 Ethyl Phenylacetate, 489
 Ethyl Phenylglycidate, 490
 Ethyl Propionate, 490
 3-Ethyl Pyridine, 460
 Ethyl Salicylate, 491
 Ethyl 10-Undecenoate, 464
 Ethyl Valerate, 492
 Ethyl Vanillin, 493
 Ethylene Brassylate, 494
 Eucalyptol, 498
 Eucalyptus Oil, 498
 Eugenol, 499
 Eugenyl Acetate, 500
 Farnesol, 501
 (+)-Fenchone, 509
 Fenchyl Alcohol, 510
 Fennel Oil, 510
 Fir Needle Oil, Canadian Type, 529
 Fir Needle Oil, Siberian Type, 530
 Furfural, 542
 Furfuryl Alcohol, 544
 Furfuryl Mercaptan, 545
 2-Furyl Methyl Ketone, 546
 Fusel Oil, Refined, 547
 Garlic Oil, 549
 Geraniol, 553
 Geranium Oil, Algerian Type, 554
 Geranyl Acetate, 555
 Geranyl Benzoate, 556
 Geranyl Butyrate, 557
 Geranyl Formate, 558
 Geranyl Isovalerate, 559
 Geranyl Phenylacetate, 560
 Geranyl Propionate, 561
 Ginger Oil, 563
 Glyceryl Tripropanoate, 591
 Grapefruit Oil, Coldpressed, 596
 (E),(E)-2,4-Heptadienal, 605
 γ -Heptalactone, 606
 Heptanal, 607
 2,3-Heptanedione, 608
 2-Heptanone, 609
 3-Heptanone, 610
 (Z)-4-Hepten-1-al, 611
 Heptyl Alcohol, 612
 γ -Hexalactone, 615
 Hexanal, 616
 Hexanoic Acid, 617
 (E)-2-Hexen-1-al, 618
 (E)-2-Hexen-1-ol, 618
 (Z)-3-Hexenol, 619
 (E)-2-Hexenyl Acetate, 620
 (Z)-3-Hexenyl Acetate, 621
 (Z)-3-Hexenyl Butyrate, 622
 (Z)-3-Hexenyl Formate, 623
 (Z)-3-Hexenyl Isovalerate, 624
 (Z)-3-Hexenyl 2-Methylbutyrate, 624
 Hexyl Acetate, 625
 Hexyl Alcohol, 626
 Hexyl-2-butenolate, 629
 Hexyl Butyrate, 627
 Hexyl Hexanoate, 628
 Hexyl Isovalerate, 629
 Hexyl 2-Methylbutyrate, 625
 α -Hexylcinnamaldehyde, 630
 Hops Oil, 638
 Hydroxycitronellal, 645
 Hydroxycitronellal Dimethyl Acetal, 646
 4-Hydroxy-2,5-dimethyl-3(2H)-furanone, 647
 6-Hydroxy-3,7-dimethyloctanoic Acid Lactone, 648
 4-(*p*-Hydroxyphenyl)-2-butanone, 650
 Indole, 654
 α -Ionone, 658
 β -Ionone, 659
 Isoamyl Acetate, 666
 Isoamyl Alcohol, 667
 Isoamyl Benzoate, 667
 Isoamyl Butyrate, 668
 Isoamyl Cinnamate, 669
 Isoamyl Formate, 670
 Isoamyl Hexanoate, 671
 Isoamyl Isobutyrate, 672
 Isoamyl Isovalerate, 673
 Isoamyl Phenyl Acetate, 673
 Isoamyl Salicylate, 674
 Isoborneol, 675
 Isobornyl Acetate, 676
 Isobutyl Acetate, 678
 Isobutyl Alcohol, 679
 Isobutyl-2-butenolate, 686
 Isobutyl Butyrate, 680
 Isobutyl Cinnamate, 681
 Isobutyl Formate, 682
 Isobutyl Hexanoate, 683
 Isobutyl Phenylacetate, 684
 Isobutyl Salicylate, 685
 Isobutyraldehyde, 690
 Isobutyric Acid, 690
 Isoeugenol, 691
 Isoeugenyl Acetate, 692
 Isopropyl Acetate, 698
 Isopulegol, 699
 Isovaleric Acid, 700
 Juniper Berries Oil, 702
 Labdanum Oil, 713
 Laurel Leaf Oil, 736
 Lauryl Alcohol, 738
 Lauryl Aldehyde, 738
 Lavandin Oil, Abrial Type, 739
 Lavender Oil, 740
 Lemongrass Oil, 747
 Lemon Oil, Coldpressed, 744
 Lemon Oil, Desert Type, Coldpressed, 745
 Lemon Oil, Distilled, 746
 Levulinic Acid, 750
 Lime Oil, Coldpressed, 751
 Lime Oil, Distilled, 753
 (+)-Limonene, 754
 (-)-Limonene, 755
 Linalool Wood Oil, 756
 Linalool, 757
 Linalool Oxide, 758
 Linalyl Acetate, 759
 Linalyl Benzoate, 760
 Linalyl Formate, 761
 Linalyl Isobutyrate, 762
 Linalyl Propionate, 763
 Lovage Oil, 769
 Mace Oil, 781
 Maltol, 803
 Maltol Isobutyrate, 803
 Mandarin Oil, Coldpressed, 804
 Marjoram Oil, Spanish Type, 812
 Marjoram Oil, Sweet, 813
 Mentha Arvensis Oil, Partially Dementholized, 824
 Menthol, 825

- (-)-Menthone, 826
 (-)-Menthyl Acetate, 827
l-Menthyl Acetate, 827
 Menthyl Acetate, Racemic, 826
 2-Mercaptopropionic Acid, 827
 2-Methoxy-3(5)-methylpyrazine, 831
 2-Methoxy 3-(or 5- or 6-) Isopropyl Pyrazine, 830
p-Methoxybenzaldehyde, 832
 4-*p*-Methoxyphenyl-2-butanone, 879
 2-Methoxypyrazine, 833
 Methyl Acetate, 846
 4-Methyl Acetophenone, 839
p-Methyl Anisole, 835
 Methyl Anthranilate, 848
 Methyl Benzoate, 849
 Methylbenzyl Acetate, 867
 α -Methylbenzyl Alcohol, 868
 2-Methyl Butanal, 836
 3-Methyl Butanal, 838
 2-Methylbutyl Acetate, 870
 2-Methylbutyl Isovalerate, 870
 Methyl Butyrate, 850
 2-Methylbutyric Acid, 869
 α -Methylcinnamaldehyde, 872
 Methyl Cinnamate, 850
 6-Methylcoumarin, 833
 Methyl Cyclopentenolone, 851
 5*H*-5-Methyl-6,7-dihydrocyclopenta [6]pyrazine, 841
 Methyl Eugenol, 854
 5-Methyl Furfural, 842
 Methyl Furoate, 855
 6-Methyl-5-hepten-2-one, 843
 Methyl Hexanoate, 856
 Methyl Hexyl Ketone, 857
 Methyl Ionones, 858
 Methyl Isobutyrate, 858
 Methyl Isoeugenol, 859
 5-Methyl-2-isopropyl-2-hexenal, 843
 Methyl Isovalerate, 860
 Methyl 2-Methylbutyrate, 845
 Methyl-3-methylthiopropionate, 866
 Methyl β -Naphthyl Ketone, 844
 Methyl 2-Octynoate, 845
 2-Methylpentanoic Acid, 875
 4-Methylpentanoic Acid, 834
 4-Methyl-2-pentanone, 840
 2-Methyl-2-pentenoic Acid, 837
 Methyl Phenylacetate, 862
 Methyl Phenylcarbinyl Acetate, 863
 5-Methyl 2-Phenyl 2-Hexenal, 841
 2-Methyl Propyl 3-Methyl Butyrate, 836
 2-Methylpyrazine, 876
 Methyl Salicylate, 864
 4-Methyl-5-thiazole Ethanol, 840
 Methyl Thiobutyrate, 864
 3-Methylthiopropionaldehyde, 877
 2-Methylundecanal, 878
 Methyl Valerate, 865
 Monoammonium Glycyrrhizinate, 887
 Mustard Oil, 892
 Myrcene, 893
 Myristaldehyde, 893
 Myristyl Alcohol, 894
 Myrrh Oil, 894
 β -Naphthyl Ethyl Ether, 896
 Nerol, 902
 Nerolidol, 903
 Neryl Acetate, 904
 (*E*),(*E*)-2,4-Nonadienal, 912
 (*E*),(*Z*)-2,6-Nonadienal, 913
 (*E*),(*Z*)-2,6-Nonadienol, 914
 δ -Nonalactone, 915
 γ -Nonalactone, 915
 Nonanal, 916
 Nonanoic Acid, 918
 2-Nonanone, 917
 (*E*)-2-Nonen-1-ol, 918
 (*Z*)-6-Nonen-1-ol, 919
 (*E*)-2-Nonenal, 920
 Nonyl Acetate, 921
 Nonyl Alcohol, 922
 Nutmeg Oil, 923
 δ -Octalactone, 925
 γ -Octalactone, 925
 Octanal, 926
 3-Octanol, 927
 (*E*)-2-Octen-1-al, 928
 (*Z*)-3-Octen-1-ol, 928
 1-Octen-3-ol, 929
 1-Octen-3-yl Acetate, 930
 1-Octen-3-yl Butyrate, 931
 Octyl Acetate, 932
 3-Octyl Acetate, 932
 Octyl Alcohol, 933
 Octyl Formate, 934
 Octyl Isobutyrate, 935
 Olibanum Oil, 942
 Onion Oil, 943
 Orange Oil, Bitter, Coldpressed, 944
 Orange Oil, Coldpressed, 945
 Orange Oil, Distilled, 946
 Origanum Oil, Spanish Type, 947
 Orris Root Oil, 948
 Palmarosa Oil, 953
 Parsley Herb Oil, 957
 Parsley Seed Oil, 958
 Pennyroyal Oil, 969
 ω -Pentadecalactone, 970
 2,3-Pentanedione, 972
 2-Pentanone, 973
 Peppermint Oil, 974
 Petitgrain Oil, Paraguay Type, 976
 α -Phellandrene, 981
 Phenethyl Acetate, 982
 Phenethyl Alcohol, 983
 Phenethyl Isobutyrate, 984
 Phenethyl Isovalerate, 985
 2-Phenethyl 2-Methylbutyrate, 988
 Phenethyl Phenylacetate, 986
 Phenethyl Salicylate, 987
 Phenoxyethyl Isobutyrate, 988
 3-Phenyl-1-propanol, 991
 Phenyl Ethyl Cinnamate, 989
 Phenyl Ethyl Propionate, 990
 Phenylacetaldehyde, 992
 Phenylacetaldehyde Dimethyl Acetal, 993
 Phenylacetic Acid, 994
 Phenylethyl Anthranilate, 997
 Phenylethyl Butyrate, 998
 2-Phenylpropionaldehyde, 999
 3-Phenylpropionaldehyde, 1000
 2-Phenylpropionaldehyde Dimethyl Acetal, 1001
 3-Phenylpropyl Acetate, 998
 Pimenta Leaf Oil, 1006
 Pimenta Oil, 1005
 α -Pinene, 1009
 β -Pinene, 1009
 Pine Needle Oil, Dwarf, 1007
 Pine Needle Oil, Scotch Type, 1008
 Piperidine, 1010
 Piperonal, 1011
 Propenylguaethol, 1074
 Propionaldehyde, 1075
 Propyl Acetate, 1076
 Propyl Alcohol, 1077
p-Propyl Anisole, 1078
 Propyl Formate, 1078
 Propyl Mercaptan, 1080
 Propyl Propionate, 1081
 Pyrrole, 1089
 Quinine Hydrochloride, 1093
 Quinine Sulfate, 1094
 Rhodinol, 1103
 Rhodinyl Acetate, 1104
 Rhodinyl Formate, 1105
 Rose Oil, 1111
 Rosemary Oil, 1114
 Rue Oil, 1115
 Sage Oil, Dalmatian Type, 1121
 Sage Oil, Spanish Type, 1122
 Salicylaldehyde, 1128
 Sandalwood Oil, East Indian Type, 1129
 Santalol, 1130
 Santalyl Acetate, 1131
 Savory Oil (Summer Variety), 1132
 Spearmint Oil, 1221
 Spice Oleosins, 1222
 Spike Lavender Oil, 1224
 Starter Distillate, 1229
 Tangerine Oil, Coldpressed, 1263
 Tarragon Oil, 1266
 Terpinen-4-ol, 1276
 α -Terpinene, 1276
 γ -Terpinene, 1277
 α -Terpineol, 1277
 Terpinyl Acetate, 1278
 Terpinyl Propionate, 1279
 δ -Tetradecalactone, 1280
 Tetrahydrofurfuryl Alcohol, 1281
 Tetrahydrolinool, 1282
 2,3,5,6-Tetramethylpyrazine, 1282
 Thyme Oil, 1289
 Thymol, 1290
 Tolualdehyde, Mixed Isomers, 1306
p-Tolualdehyde, 1305
p-Tolyl Isobutyrate, 1307
 Tributyrin, 1313
 2-Tridecanone, 1310
 2-Tridecenal, 1311
 Trimethylamine, 1316
 2,4,5-Trimethyl δ -3-Oxazoline, 1315
 3,5,5-Trimethyl Hexanal, 1316
 2,3,5-Trimethylpyrazine, 1317

δ -Undecalactone, 1322
 γ -Undecalactone, 1322
 Undecanal, 1323
 2-Undecanone, 1325
 1,3,5-Undecatriene, 1324
 10-Undecenal, 1326
 (*E*)-2-Undecenol, 1327
 Undecyl Alcohol, 1328
 Valeraldehyde, 1331
 Valeric Acid, 1331
 γ -Valerolactone, 1332
 Vanillin, 1334
 Veratraldehyde, 1337
 Wintergreen Oil, 1351
 Zingerone, 1369
 Flowers of sulfur, 1252
 Fluoride Limit Test, 1434
Folic Acid, 531
 Food-Grade Gelatin, 550
 Food Fraud Mitigation Guidance, 1586
 Food Green S, 597
 Food Ingredients Fraud Database, 1807
 Food Ingredients: Pharmaceutical Applications and Use of Appropriate GMPs, 1790
 Food Starch-Modified, 532
Food Starch, Modified, 532
Food Starch, Unmodified, 535
 Formaldehyde TS, 1627
Formic Acid, 536
o-Formylanisole, 85
 Free Cresol (Cresyl Acetate in Flavor Chemicals Other Than Essential Oils), 1549
 Free Fatty Acids, 1516
 Free Glycerin or Propylene Glycol, 1516
 Free Phenols (Essential Oils and Flavors), 1508
 Freskomenthe, 191
 β -D-Fructofuranosyl- α -D-glucopyranoside, 1244
Fructooligosaccharides, Short Chain, 537
Fructose, 538
 D-Fructose, 538
 Fruit Sugar, 538
 Fuchsin-Sulfurous Acid TS, 1627
 Fully Hydrogenated Rapeseed Oil, 1098
Fumaric Acid, 539
 Function, Statement of, 3
 2-Furaldehyde, 542
 2-Furanmethanol acetate, 543
Furcelleran, 540
Furfural, 542
Furfuryl Acetate, 543
Furfuryl Alcohol, 544
 Furfuryl alcohol, acetate, 543
Furfuryl Mercaptan, 545
 2-Furyl carbinyl acetate, 543
2-Furyl Methyl Ketone, 546
Fusel Oil, Refined, 547

G

β -D-Galactopyranosyl-D-glucitol, 719
 4-O- β -Galactopyranosyl-D-glucose, 730
 α -Galactosidase Activity, 1481
 α -Galactosidase, 1481
 Galam, 1139
 Gallic Acid Propyl Ester, 1079
 Gallotannic Acid, 1264
 Gamma-glutamylethylamide, 1285
Garlic Oil, 549
 Gas Chromatography, 1388
 Flavor Chemicals (Other than Essential Oils), 1544
 Gaultheria Oil, 1351
Gelatin, 550
Gellan Gum, 552
 General Guidance for Food Ingredients, 1586
 Food Fraud Mitigation Guidance, 1586
 General Information Analytical Techniques, 1657
 Capillary Electrophoresis, 1661
 Electrophoresis, 1657
 Ion Chromatography, 1690
 Mass Spectrometry, 1666
 Near-Infrared Spectroscopy, 1693
 Nuclear Magnetic Resonance, 1670
 Radioactivity, 1677
 Raman Spectroscopy, 1699
 Scoville Heat Units, 1705
 Spectrophotometry and Light-Scattering, 1684
 General Information Tables, 1729
 Alcoholometric, 1729
 Atomic Weights, 1732
 Relative Atomic Mass and Half-Lives of Selected Radionucleotides, 1735
 Thermometric Equivalents, 1737
 General Provisions and Requirements, 1
 General Specifications and Statements, 3
Geraniol, 553
Geranium Oil, Algerian Type, 554
 Geranium Oil, East Indian Type, 953
 Geranium Oil, Turkish Type, 953
Geranyl Acetate, 555
Geranyl Benzoate, 556
Geranyl Butyrate, 557
Geranyl Formate, 558
Geranyl Isovalerate, 559
Geranyl Phenylacetate, 560
Geranyl Propionate, 561
Gibberellic Acid, 562
Ginger Oil, 563
Ginger Oleoresin, 1223
 Glacial Acetic Acid, 12
 GLA Safflower Oil, 635
 Glassy Sodium Polyphosphates, 1192
 Glassy Sodium Potassium Polyphosphates, 1193
 (1-3), (1-6)- β -D-glucan, Poly-(1-6)- β -D-glucopyranosyl-(1,3)- β -D-glucopyranose, 153
 β -Glucanase Activity, 1482

β -Glucanase, 1482
 D-Glucitol, 1214
 Glucoamylase, 1482
 Glucoamylase Activity, 1482
Gluconic Acid, 564
 D-Gluconic acid, 564
 D-Gluconic Acid, Monopotassium Salt, 1053
 Gluconic acid solution, 564
Glucono delta-Lactone, 566
 2-Amino-2-deoxy- β -D-glucopyranose Hydrochloride, 566
 α -D-Glucopyranosyl-1,4-D-glucitol, 800
 α -D-Glucopyranosyl- α -D-glucopyranoside, dihydrate, 1309
Glucosamine Dihydrochloride, 566
Glucosamine Sulfate Potassium Chloride, 568
Glucosamine Sulfate Sodium Chloride, 571
 Glucose, 395
 D-Glucose, 2-amino-2-deoxy, Hydrochloride, 566
 D-Glucose, 395
 Glucose Isomerase, 447, 1483
 Glucose Isomerase Activity, 1483
 Glucose Oxidase, 447, 1485
 Glucose Oxidase Activity, 1485
Glucose Syrup, 573
 Glucose Syrup (Corn Syrup), 1539
Glucose Syrup, Dried, 574
 Glucose Syrup Solids, 574
 β -D-Glucosidase, 1473
 (α -D-Glucurono- α -D-manno- β -D-manno- β -D-glucosyl), (α -L-gulurono- β -D-glucosyl), 36
 Gluside, 1119
 Glutamic Acid, 574, 1458
 L-Glutamic acid- γ -monoethylamide, 1285
L-Glutamic Acid Hydrochloride, 575
L-Glutamic Acid, 574
L-Glutamine, 576
 Glutaral, 577
Glutaraldehyde, 577
 Gluten, Wheat, 1345
Glycerin, 578
 Glycerin or Propylene Glycol, Free, 1516
 Glycerol, 578
Glycerol Ester of Gum Rosin, 579
Glycerol Ester of Partially Dimerized Rosin, 580
Glycerol Ester of Partially Hydrogenated Gum Rosin, 581
Glycerol Ester of Partially Hydrogenated Wood Rosin, 582
Glycerol Ester of Polymerized Rosin, 583
Glycerol Ester of Tall Oil Rosin, 584
Glycerol Ester of Wood Rosin, 585
 Glycerol Esters of Condensed Castor Oil Fatty Acids, 1026
Glyceryl Behenate, 585

Glyceryl-Lacto Esters of Fatty Acids, 592**Glyceryl Monooleate**, 587**Glyceryl Monostearate**, 588**Glyceryl Palmitostearate**, 590

Glyceryl Triacetate, 1312

Glyceryl Tribehenate, 585

Glyceryl Tributyrates, 1313

Glyceryl Tridocosanoate, 585

Glyceryl Tripropanoate, 591**Glyceryl Tristearate**, 591**Glycine**, 592

Glycine betaine, 156

Glycoll, 592

Gold, 593

Good Manufacturing Practices

Food Ingredients: Pharmaceutical Applications and Use of, 1790

IFAC Good Manufacturing Practice and QA Audit Guide for Food Additives, 1761

IFAC Good Manufacturing Practice and QA Guide for Food Additives, 1739

Graham's Salt, 1192

Granulated Sugar, 1244

Grapefruit Oil, Coldpressed, 596

Grapefruit Oil, Expressed, 596

Grape Skin Extract, 595**Green S**, 597

Powdered Decaffeinated Green Tea Extract, 1273

Ground Limestone, 754

Guaiac Resin, 603

Guar Gum, 601

Guidance Standard For UHPLC-MS/MS Screening Of Nitrogen Containing Adulterants In Milk Ingredients, 1577

Guidelines for Collaborative Study Procedures To Validate Characteristics of a Method of Analysis, 1644

Gum Arabic, 602**Gum Ghatti**, 602**Gum Guaiac**, 603

Gum Tragacanth, 1308

Gutta hang kang, 814

Gutta Katiau, 814

H

Hyaluronic Acid Na-salt, 1169

Heliotropine, 1011

Helium, 605

Hemicellulase, 1485

Hemicellulase Activity, 1485

(E),(E)-2,4-Heptadienal, 605*trans,trans*-2,4-Heptadienal, 605 γ -**Heptalactone**, 606

Heptaldehyde, 607

Heptanal, 607**2,3-Heptanedione**, 608

Heptanoic acid, 2-methylpropyl ester, 682

Heptanoic Acid, Butyl Ester, 197

Heptanoic acid, isobutyl ester, 682

2-Heptanone, 609**3-Heptanone**, 610*cis*-4-Hepten-1-al, 611**(Z)-4-Hepten-1-al**, 611**Heptyl Alcohol**, 612*n*-Heptyl-*p*-hydroxybenzoate, 613**Heptylparaben**, 613

Hexadecanoic Acid, 954

1-Hexadecanol, 614

Hexadecan-1-ol, 614

1-Hexadecylpyridinium Chloride, Monohydrate, 303

2,4-Hexadienoic Acid, 1208

2,4-Hexadienoic Acid, Calcium Salt, 247

2,4-Hexadienoic Acid, Potassium Salt, 1065

Hexahydrobenzoic Acid, 374

cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric Acid, 166

Hexahydropyridine, 1010

 γ -**Hexalactone**, 615

Hexaldehyde, 616

Hexanal, 616

Hexane-Insoluble Matter, 1516

Hexanedioic Acid, 29

1,2,3,4,5,6-Hexanehexol, 809, 1214

Hexanes, 616**Hexanoic Acid**, 617

Hexanoic Acid, Butyl Ester, 198

1-Hexanol, 626

(E)-2-Hexen-1-al, 618*trans*-2-Hexen-1-al, 618**(E)-2-Hexen-1-ol**, 618*cis*-3-Hexen-1-ol, 619*trans*-2-Hexen-1-ol, 618**(Z)-3-Hexenol**, 619**(E)-2-Hexenyl Acetate**, 620**(Z)-3-Hexenyl Acetate**, 621*cis*-3-Hexen-1-yl Acetate, 621*trans*-2-Hexen-1-yl Acetate, 620**(Z)-3-Hexenyl Butyrate**, 622**(Z)-3-Hexenyl Formate**, 623**(Z)-3-Hexenyl Isovalerate**, 624*cis*-3-Hexen-1-yl Isovalerate, 624**(Z)-3-Hexenyl 2-Methylbutyrate**, 624*cis*-3-Hexenyl 2-Methylbutyrate, 624**Hexyl Acetate**, 625**Hexyl Alcohol**, 626

4-Hexyl-1,3-benzenediol, 631

Hexyl-2-butenate, 629**Hexyl Butyrate**, 627 α -**Hexylcinnamaldehyde**, 630**Hexyl Hexanoate**, 628**Hexyl Isovalerate**, 629**Hexyl 2-Methylbutyrate**, 625

Hexylresorcinol, 631

4-Hexylresorcinol, 631

High-Fructose Corn Syrup, 633, 1540

High-Performance Liquid

Chromatography, 1390

High Gamma-Linolenic Safflower Oil, 635**High Oleic Soybean Oil (Unhydrogenated)**, 1221

High Phospholipid Krill Oil, 706

L-Histidine, 637**L-Histidine Monohydrochloride**, 637

HMO, 815

Hop Oleoresin, 1223**Hops Oil**, 638

HPMC, 651

Hyaluronic Acid Sodium, 1169

Hyaluronic Acid Sodium Salt, 1169

Hydratropic Aldehyde, 999

Hydratropic Aldehyde Dimethyl Acetal, 1001

Hydrocarbons in Eugenol, Limit Test, 1548

Hydrochloric Acid, 639, 1627

Hydrochloric Acid, 0.2 M, 1623, 1623

Hydrochloric Acid, 1 N, 1632

Hydrochloric Acid Buffer, 1623

Hydrochloric Acid Table, 1407

Hydrochloric Acid TS, Diluted, 1627

Hydrocinnamaldehyde, 1000

Hydrocinnamyl Alcohol, 991

Hydrocyanic Acid in Benzaldehyde, Limit Test, 1548

Hydrogenated Glucose Syrup, 801

Hydrogenated Lactose, 719

Hydrogenated Maltose, 800

Hydrogenated Starch Hydrolysate, 644**Hydrogen Peroxide**, 643

Hydrogen Peroxide TS, 1627

Hydrogen Sulfide Detector Tube, 1637

Hydrogen Sulfide TS, 1627

 α -Hydro-*omega*-hydroxy-poly(oxyethylene)-poly(oxypropylene)(51-57 moles)poly(oxyethylene) Block Copolymer, 1011 α -Hydro-*omega*-hydroxy-poly(oxyethylene)-poly(oxypropylene)(63-71 moles)poly(oxyethylene) Block Copolymer, 1013

Hydrolyzable Gallotannin, 1264

Hydrolyzed Plant Protein (HPP), 22

Hydrolyzed (Source) Protein Extract, 22

Hydrolyzed Vegetable Protein (HVP), 22

Hydroquinone Determination, 1547

Hydroquinone Monomethyl Ether

Determination, 1548

2-Hydroxybutanedioic Acid, 795

Hydroxybutanedioic Acid Disodium Salt, 1182

2-Hydroxybutanedioic Acid

Monosodium Salt, 1183

3-Hydroxy-2-butanone, 13

Hydroxycitronellal, 645**Hydroxycitronellal Dimethyl****Acetal**, 646

4-Hydroxydecanoic Acid Lactone, 385

4-Hydroxy-2,5-Dimethyl-3(2H)-**furanone**, 647

- 7-Hydroxy-3,7-dimethyl Octanal, 645
 7-Hydroxy-3,7-dimethyl Octanal Dimethyl Acetal, 646
6-Hydroxy-3,7-dimethyloctanoic Acid Lactone, 648
 4-Hydroxydodecanoic Acid Lactone, 443
 (2-Hydroxyethyl)trimethylammonium-L-(+)-tartrate Salt, 312
 (2-Hydroxyethyl)trimethylammonium Chloride, 313
 4-Hydroxyhexanoic Acid Lactone, 615
 Hydroxylamine Hydrochloride, 0.5 N, 1632
 Hydroxylamine Hydrochloride TS, 1627
 Hydroxylamine Method, 1546
 Flavor Chemicals (Other than Essential Oils), 1546
 Hydroxylamine *tert*-Butyl Alcohol Method, 1545
 Flavor Chemicals (Other than Essential Oils), 1545
Hydroxylated Lecithin, 648
 Hydroxyl Value, 1516
 4-Hydroxy-3-methoxybenzaldehyde, 1334
N-[*N*-[3-(3-Hydroxy-4-methoxyphenyl)propyl]- α -aspartyl]-*L*-phenylalanine 1-Methyl Ester, Monohydrate, 30
 (3*S*)-3-[3-(3-Hydroxy-4-methoxyphenyl)propylamino]-4-[(2*S*)-1-methoxy-1-oxo-3-phenylpropan-2-yl]amino]-4-oxobutanoic Acid Hydrate, 30
 5-Hydroxy-6-methyl-3,4-pyridinedimethanol Hydrochloride, 1089
 3-Hydroxy-2-methyl-4-pyrone, 803
 4-Hydroxy-3-methylethylbenzene, 461
 Hydroxy Naphthol Blue, 1636
 5-Hydroxynonanoic Acid, Lactone, 915
 5-Hydroxyoctanoic Acid Lactone, 925
L- β -(*p*-Hydroxyphenyl)alanine, 1320
 4-(4-Hydroxyphenyl)-2-butanone, 650
4-(*p*-Hydroxyphenyl)-2-butanone, 650
 2-Hydroxypropanoic Acid, Calcium Salt, 222
 2-Hydroxypropanoic Acid, Monopotassium Salt, 1057
 2-Hydroxypropanoic Acid, Monosodium Salt, 1176
 2-Hydroxypropionic Acid, 718
 α -Hydroxypropionic Acid, 718
 Hydroxypropyl Alginate, 1083
Hydroxypropyl Cellulose, 650
 Hydroxypropyl Determination, 1459
Hydroxypropyl Methylcellulose, 651
 8-Hydroxyquinoline TS, 1627
 Hydroxysuccinic Acid, 795
 5-Hydroxyundecanoic Acid Lactone, 1322
 Hypophosphite Identification Test, 1427
- I**
 Identification Tests, 5, 1427
 Acetate, 1427
 Aluminum, 1427
 Ammonium, 1427
 Benzoate, 1427
 Bicarbonate, 1427
 Bisulfite, 1427
 Bromide, 1427
 Calcium, 1427
 Carbonate, 1427
 Chloride, 1427
 Citrate, 1427
 Cobalt, 1427
 Copper, 1427
 Hypophosphite, 1427
 Iodide, 1427
 Iron, 1427
 Lactate, 1428
 Magnesium, 1428
 Manganese, 1428
 Nitrate, 1428
 Nitrite, 1428
 Peroxide, 1428
 Phosphate, 1428
 Potassium, 1428
 Sodium, 1428
 Sulfate, 1428
 Sulfite, 1428
 Tartrate, 1428
 Thiosulfate, 1428
 Zinc, 1428
 Identity Standard, 1371
 Pomegranate Juice, 1371
 IFAC Good Manufacturing Practice and QA Audit Guide for Food Additives, 1761
 IFAC Good Manufacturing Practice and QA Guide for Food Additives, 1739
 IMP, 1185
 Indian Gum, 602
 Indicator Papers And Test Papers, 1636
 Acetaldehyde Test Paper, 1636
 Cupric Sulfate Test Paper, 1636
 Lead Acetate Test Paper, 1636
 Litmus Paper, Blue, 1637
 Litmus Paper, Red, 1637
 Phenolphthalein Paper, 1637
 Starch Iodate Paper, 1637
 Starch Iodide Paper, 1637
 Indicators, 1635
 Alphazurine 2G, 1635
 Azo Violet, 1635
 Bromocresol Blue, 1635
 Bromocresol Green, 1635
 Bromocresol Purple, 1635
 Bromophenol Blue, 1635
 Bromothymol Blue, 1635
 Cresol Red, 1635
 Crystal Violet, 1635
 Dithizone, 1635
 Eriochrome Black T, 1635
p-Ethoxychrysoidin Monohydrochloride, 1636
 Hydroxy Naphthol Blue, 1636
 Litmus, 1636
 Methylene Blue, 1636
 Methyl Orange, 1636
 Methyl Red, 1636
 Methyl Red Sodium, 1636
 Methyl Yellow, 1636
 Murexide Indicator Preparation, 1636
 Naphthol Green B, 1636
 Neutral Red, 1636
 Phenolphthalein, 1636
 Phenol Red, 1636
 Quantity Used, 5
 Quinaldine Red, 1636
 Thymol Blue, 1636
 Thymolphthalein, 1636
 Xylenol Orange, 1636
 Indigo Carmine, 504, 653
 Indigo Carmine TS, 1627
Indigotine, 504, 653
 Indigotine Disulfonate, 653
Indole, 654
 Infrared Absorption, 1463
 Infrared Spectra, 1463, 1706
Inositol, 655
 Inositol Hexakisphosphate Solution, 1003
i-Inositol, 655
meso-Inositol, 655
myo-Inositol, 655
 INS number, 2
 Insoluble Foreign Matter in Amino Acids, 1408
 Insoluble Sodium Polyphosphate, 1185
Inulin, 656
 Invertase, 1486
 Invertase Sumner Unit Activity, 1486
 Invert Sugar, 657, 1542
 Invert Sugar Determination, 1533
 Invert Sugar Syrup, 657
 Iodide Identification Test, 1427
 Iodinated Zinc Chloride, 1627
 Iodine, 0.1 N, 1632
 Iodine TS, 1627
 Iodine Value, 1517
 Ion Chromatography, 1690
 α -**Ionone**, 658
 β -**Ionone**, 659
 Iron Ammonium Citrate, 511, 513
Iron, Carbonyl, 660
Iron, Electrolytic, 662
 Iron (II) Fumarate, 521
 Iron (II) Gluconate, 523
 Iron (II) 2-Hydroxypropionate, 525
 Iron Identification Test, 1427
 Iron (II) Lactate, 525
 Iron Phosphate, 515
 Iron Pyrophosphate, 517
Iron, Reduced, 664
 Iron (II) sodium salt of 2-hydroxypropane-1,2,3-tricarboxylic acid, 1165
 Iron Standard Solution, 1624
Isoamyl Acetate, 666
Isoamyl Alcohol, 667
Isoamyl Benzoate, 667
Isoamyl Butyrate, 668
 Isoamyl Caproate, 671
 Isoamyl Caprylate, 76

Isoamyl Cinnamate, 669
Isoamyl Formate, 670
Isoamyl Hexanoate, 671
Isoamyl Isobutyrate, 672
Isoamyl Isovalerate, 673
 Isoamyl Octanoate, 76
Isoamyl Phenyl Acetate, 673
 Isoamyl 3-Phenyl Propionate, 669
 Isoamyl Propionate, 77
Isoamyl Salicylate, 674
Isoborneol, 675
Isobornyl Acetate, 676
Isobutane, 677
Isobutyl Acetate, 678
Isobutyl Alcohol, 679
Isobutyl-2-butenolate, 686
Isobutyl Butyrate, 680
Isobutyl Cinnamate, 681
Isobutylene-Isoprene Copolymer, 689
Isobutyl Formate, 682
Isobutyl Heptanoate, 682
 Isobutyl Heptanoate, 682
 Isobutyl heptylate, 682
Isobutyl Hexanoate, 683
 Isobutyl isobutanoate, 684
Isobutyl Isobutyrate, 684
 Isobutyl Isovalerate, 836
2-Isobutyl-3-Methoxypyrazine, 687
 2-Isobutyl-3-methyl-1,4-diazine, 688
2-Isobutyl-3 Methylpyrazine, 688
Isobutyl Phenylacetate, 684
Isobutyl Salicylate, 685
Isobutyraldehyde, 690
 Isobutyric acid, isobutyl ester, 684
Isobutyric Acid, 690
 Isodihydrolavandulal, 843
 Isoestragole, 82
Isoeugenol, 691
Isoeugenyl Acetate, 692
 Isoeugenyl Methyl Ether, 859
DL-Isoleucine, 693
L-Isoleucine, 694
Isomalt, 695
Isomaltulose, 696
 Isomerase
 Actinoplanes missouriensis, 1472
 Bacillus coagulans, 1472
 Microbacterium arborescens, 1472
 Streptomyces murinus, 1472
 Streptomyces olivaceus, 1472
 Streptomyces olivochromogenus, 1472
 Streptomyces rubiginosus, 1472
 Isopropanol, 698, 1627
 Isopropanol, Anhydrous, 1627
Isopropyl Acetate, 698
 Isopropylacetic Acid, 700
Isopropyl Alcohol, 698
p-Isopropylbenzaldehyde, 359
 Isopropylformic Acid, 690
Isopulegol, 699
 1-Isothiocyantobutane, 199
 Isothiocyanic acid, butyl ester, 199
 Isovaleraldehyde, 838
Isovaleric Acid, 700

J

Jelutong, 814
Juniper Berries Oil, 702

K

Kamillosan, 168
Kaolin, 703
Karaya Gum, 703
 Karite, 1139
 Karl Fischer Titrimetric Method (for Water), 1403
 KASAL, 1149
Kelp, 704
 Kjeldahl Nitrogen Determination, 1460
 Konjac, 705
Konjac Flour, 705
 Konjac Gum, 705
 Konnyaku, 705
Krill Oil, 706

L

Labdanum Oil, 713
 Labeling, Statements for, 2
Alpha-Lactalbumin, 714
 Lactase, 1487
 Lactase (Acid) Activity, 1489
 Lactase (Neutral) Activity, 1487
 Lactated Mono-Diglycerides, 592
 Lactate Identification Test, 1428
Lactic Acid, 196, 718
 Lactic and Fatty Acid Esters of Glycerol, 592
Lactitol, 719
 D-Lactitol, 719
Lactobacillus acidophilus La-14, 721
Lactobacillus acidophilus NCFM, 723
Lactobacillus paracasei LPC-37, 726
Lactobacillus rhamnosus HN001, 728
Lactose, 730
 Lactose Determination, 1535
Lactylated Fatty Acid Esters of Glycerol and Propylene Glycol, 731
Lactylic Esters of Fatty Acids, 733
 LAE, 481
Lanolin, Anhydrous, 735
 Larch Fiber, 98
 Larch Gum, 98
Lard (Unhydrogenated), 735
 Lauramide Arginine Ethyl Ester, 481
Laurel Leaf Oil, 736
Laurel Leaf Oleoresin, 1223
Lauric Acid, 737
 Lauric Acid, Butyl Ester, 200
 Lauric Arginate Ethyl Ester, 481
Lauryl Alcohol, 738
Lauryl Aldehyde, 738
Lavandin Oil, Abrial Type, 739
Lavender Oil, 740
 Lead Acetate Test Paper, 1636
 Lead Acetate TS, 1627
 Lead Limit Test, 1438
 APDC Extraction Method, 1442
 Atomic Absorption Spectrophotometric Graphite Furnace Method, 1439
 Chewing Gum Base Polymers, 1469
 Dithizone Method, 1438
 Flame Atomic Absorption Spectrophotometric Method, 1439
 Flavor Chemicals Other Than Essential Oils, 1548
 Lead Subacetate TS, 1627
 Lead Subacetate TS, Diluted, 1627
 LEAR Oil, 254
 Leche caspi (sorva), 814
 Leche de vaca, 815
Lecithin, 741
 Lemonene, 166
Lemongrass Oil, 747
 Lemon Oil Arizona, 745
Lemon Oil, Cold-pressed, 744
Lemon Oil, Desert Type, Cold-pressed, 745
Lemon Oil, Distilled, 746
 Lemon Oil, Expressed, 744
DL-Leucine, 748
L-Leucine, 749
 Leuco Base (Color Additive Assays), 1451
 Levocarnitine, 272
 Levomenol, 168
Levulinic Acid, 750
 Levulose, 538
 Light-Resistant Container, 3
 Lignosulfonic Acid, Calcium Salt (40×65), 226
 Lime, 234
 Limene, 168
Lime Oil, Cold-pressed, 751
Lime Oil, Distilled, 753
 Lime Oil, Expressed, 751
Limestone, Ground, 754
 "Limit of Detection", Defined, 1642
 "Limit of Quantitation", Defined, 1642
 Limit Tests, 1429
 Aluminum, 1429
 Antioxidants in Ethyl Acrylate, 1547
 Arsenic, 1429
 Cadmium, 1431
 Chloride, 1431
 Copper Limit Test, 1432
 1,4-Dioxane, 1433
 Fluoride, 1434
 Hydrocarbons in Eugenol, 1548
 Hydrocyanic Acid in Benzaldehyde, 1548
 Hydroquinone in Ethyl Acrylate, 1547
 Hydroquinone Monomethyl Ether in Ethyl Acrylate, 1548
 Lead, 1438
 Lead (Flavor Chemicals Other Than Essential Oils), 1548
 Manganese, 1442
 Mercury, 1443
 Methyl Compounds in Ethyl Acetate, 1548

- Nickel, 1444
 Peroxide Value (Flavor Chemicals Other Than Essential Oils), 1548
 Phosphorus, 1445
 Readily Carbonizable Substances in Ethyl Acetate, 1548
 Readily Oxidizable Substances in *dl*-Menthol, 1549
 Reducing Substances (Flavor Chemicals Other Than Essential Oils), 1549
 Selenium, 1446
 Sulfate, 1431
(+)-Limonene, 754
(-)-Limonene, 755
d-Limonene, 754
l-Limonene, 755
Linaloe Wood Oil, 756
Linalool, 757
 Linalool Determination (Essential Oils and Flavors), 1507
Linalool Oxide, 758
Linalyl Acetate, 759
Linalyl Benzoate, 760
Linalyl Formate, 761
Linalyl Isobutyrate, 762
Linalyl Propionate, 763
 "Linearity and Range", Defined, 1642
Linoleic Acid, 764
 Lipase, 448, 1489
 Animal Pancreatic Tissue; 2-Acylhydrolase, 1473
 Animal Pancreatic Tissues, 1474
 Aspergillus niger var., 1473
 Aspergillus oryzae var., 1473
 Candida rugosa, 1473
 Edible Forestomach Tissue of Calves, Kids, and Lambs, 1473
 Rhizomucor meihei, 1474
 Lipase (Microbial) Activity for Medium- and Long-Chain Fatty Acids, 1490
 Lipase Activity, 1489
 Lipase, Animal, 445
 Liquid Paraffin, 880, 882
 Liquid Petrolatum, 880, 882
Listeria, 1573
 Lithium Methoxide, 0.1 N, 1632
 Lithol Rubine B Ca, 765
Lithol Rubine Bk, 765
 Litholrubintoner BKL, 765
 Litmus, 1636
 Litmus Paper, Blue, 1637
 Litmus Paper, Red, 1637
 Litmus TS, 1627
 Locust Bean Gum, 768
Locust (Carob) Bean Gum, 768
 Loss on Drying, 1409
 Color Additives, 1457
Lovage Oil, 769
 Lovibond Color, 1511
 Low Erucic Acid Rapeseed Oil, 254
 Low Glycemic Carbohydrate, 1242
 Low Linolenic Acid Flaxseed Oil (Unhydrogenated), 1208
 Low Linolenic Acid Linseed Oil, 1208
 Luo Han Fruit Concentrate, 884
 Luo Han Guo Concentrate, 884
 Luo Han Guo Extract, 884
 Lutein, 770
Lycopene Extract from Tomato, 774
Lycopene from *Blakeslea trispora*, 772
Lycopene, Synthetic, 777
 Lycopene (Tomato), 774
 Lycopene, Tomato Extract, 774
 Lye, 1171
 Lye Solutions, 1171
L-Lysine Monohydrochloride, 779
 Lysozyme, 445
 Lysozyme Activity, 1491
 D-Lyxohexulose, 1260
- ## M
- Mace Oil**, 781
 Maddrell's Salt, 1185
 Magadi Soda, 1200
 Magnesal, 782
 Magnesia Mixture TS, 1627
 Magnesium Ammonium Potassium Carnallite, 782
Magnesium Ammonium Potassium Chloride, Hydrate, 782
 Magnesium Ammonium Potassium Chloride, Triple Salt, 782
 Magnesium Biphosphate, 791
Magnesium Carbonate, 784
Magnesium Chloride, 784
 Magnesium Dihydrogen Phosphate, 791
Magnesium Gluconate, 785
Magnesium Hydroxide, 786
 Magnesium Identification Test, 1428
 Magnesium Lactate, 787
Magnesium Oxide, 788
Magnesium Phosphate, Dibasic, Mixed Hydrates, 789
Magnesium Phosphate, Dibasic, Trihydrate, 790
Magnesium Phosphate, Monobasic, 791
Magnesium Phosphate, Tribasic, 792
Magnesium Silicate, 792
 Magnesium Standard Solution, 1624
Magnesium Stearate, 794
Magnesium Sulfate, 795
 Magnesium Sulfate TS, 1628
 Malachite Green TS, 1628
Malic Acid, 795
 Malic Acid Disodium Salt, 1182
 DL-Malic Acid, 795
 Malic Acid Monosodium Salt, 1183
 Malic Acid Sodium Salt, 1182
 Malonic Ester, 412
 Malt, 446
 Malt Extract, 796
Maltitol, 800
 D-Maltitol, 800
Maltitol Syrup, 801
Maltodextrin, 802, 1540
 Maltogenic Amylase, 1492
 Maltogenic Amylase Activity, 1492
Maltol, 803
Maltol Isobutyrate, 803
Malt Syrup, 796
Mandarin Oil, Cold-pressed, 804
 Mandarin Oil, Expressed, 804
Manganese Chloride, 805
Manganese Citrate, 806
Manganese Gluconate, 807
Manganese Glycerophosphate, 807
Manganese Hypophosphite, 808
 Manganese Identification Test, 1428
 Manganese Limit Test, 1442
Manganese Sulfate, 809
 Mannite, 809
Mannitol, 809
 D-Mannitol, 809
 Maple Furanone, 462
Maritime Pine Extract, 810
Marjoram Oil, Spanish Type, 812
Marjoram Oil, Sweet, 813
Marjoram Sweet Oleoresin, 1223
 Markers for Authenticity Testing, 1557
 Biobased Content of 1,3-Propanediol, 1557
 Carbohydrate Authenticity Markers For Soluble (Instant) Coffee, 1561
 Massaranduba balata, 814
 Massaranduba chocolate, 814
 Mass Spectrometry, 1666
Masticatory Substances, Natural, 814
 Mayer's Reagent, 1628
 MC, 871
 Media and Reagents (Microbiological Tests), 1550
 Meletin, 1091
 Melting Range
 Fats and Related Substances, 1517
 Melting Range or Temperature Determination, 1395
Menhaden Oil, Hydrogenated, 815
Menhaden Oil, Refined, 820
p-Menth-4-en-3-ol, 699
p-Menth-1-en-8-ol, 1277
Mentha Arvensis Oil, Partially Dementholized, 824
d-*p*-Mentha-1,8-diene, 754
l-*p*-Mentha-1,8-diene, 755
p-Mentha-1,5-diene, 981
p-Mentha-6,8-dien-2-ol, 288
p-Mentha-6,8-dien-2-yl Acetate, 291
 3-*p*-Menthanol, 825
l-*p*-Menthan-3-one, 826
dl-*p*-Menthan-3-yl Acetate, 826
l-*p*-Menthan-3-yl Acetate, 827
 Menthen-1-yl-8 Acetate, 1278
 Menthen-1-yl-8 Propionate, 1279
Menthol, 825
(-)-Menthone, 826
L-Menthone, 826
(-)-Menthyl Acetate, 827
 DL-Menthyl Acetate, 826
l-Menthyl Acetate, 827
Menthyl Acetate, Racemic, 826

2-Mercaptopropionic Acid, 827

Mercuric-Potassium Iodide TS, 1628
 Mercuric-Potassium Iodide TS, Alkaline,
 1625, 1628
 Mercuric Acetate TS, 1628
 Mercuric Chloride TS, 1628
 Mercuric Nitrate, 0.1 M, 1632
 Mercuric Sulfate TS, 1628
 Mercurous Nitrate TS, 1628
 Mercury (Color Additive Assays), 1451
 Mercury Limit Test, 1443

Meso-Zeaxanthin, 1362

Metaphosphoric Acid, Sodium
 Potassium Salt, 1193

Methanol, 847, 1628

Methanol, Anhydrous, 1628

Methional, 877

DL-Methionine, 828

L-Methionine, 829

p-Methoxyacetophenone, 12

2-Methoxybenzaldehyde, 85

***p*-Methoxybenzaldehyde**, 832

2-Methoxybenzenecarboxaldehyde, 85

p-Methoxybenzyl Acetate, 87

p-Methoxybenzyl Alcohol, 88

4-Methoxybenzyl Butanoate, 89

p-Methoxybenzyl Butyrate, 89

p-Methoxybenzyl Formate, 89

4-Methoxybenzyl Phenylacetate, 90

p-Methoxybenzyl Phenylacetate, 90

4-Methoxybenzyl Propanoate, 91

p-Methoxybenzyl Propionate, 91

2-Methoxy-3-isobutylpyrazine, 687

2-Methoxy 3- (or 5- or 6-)

Isopropyl Pyrazine, 830

Methoxyl Determination, 1460

2-Methoxy-3(5)-Methylpyrazine,
 831

4-*p*-Methoxyphenyl-2-butanone,
 879

2-Methoxyphenylformaldehyde, 85

1-(*p*-Methoxyphenyl)-1-penten-3-one,
 455

2-Methoxy-4-propenylphenol, 691

2-Methoxy-4-propenyl Phenyl Acetate,
 692

2-Methoxypyrazine, 833

2-Methyl-1-propyl heptanoate, 682

4-Methyl-2-phenyl-1,3-dioxolane, 135

4-Methyl-2-phenyl-*m*-dioxolane, 135

Methyl 2-Pyridyl Ketone, 20

Methyl 3-Nonenoate, 861

Methyl Acetate, 846

4-Methyl Acetophenone, 839

Methylacetopyronone, 391

Methyl Alcohol, 847

p-Methylaminophenol Sulfate TS, 1629

Methyl Amyl Ketone, 609

***p*-Methyl Anisole**, 835

Methyl Anthranilate, 848

Methylbenzaldehyde, 1306

p-Methylbenzaldehyde, 1305

Methyl Benzoate, 849

Methylbenzyl Acetate, 867

α -Methylbenzyl Alcohol, 868

Methyl Benzyl Sulfide, 148

2-Methyl Butanal, 836

3-Methyl Butanal, 838

2-Methylbutyl Acetate, 870

β -Methyl Butyl Acetate, 666

2-Methylbutyl Isovalerate, 870

2-Methylbutyl-3-methylbutanoate, 870

Methyl Butyrate, 850

2-Methylbutyric Acid, 869

Methylcellulose, 871

Methylcellulose, Hydroxypropyl, 651

Methylcellulose Viscosity, 1401

Methyl Chavicol, 454

α -Methylcinnamaldehyde, 872

Methyl Cinnamate, 850

Methyl Compounds in Ethyl Acetate,
 Limit Test, 1548

6-Methylcoumarin, 833

Methyl *p*-Cresol, 835

3-Methylcyclopentane-1,2-dione, 851

Methyl Cyclopentenolone, 851

5H-5-Methyl-6,7-
dihydrocyclopenta[b]pyrazine,
 841

Methylene Blue, 1636

Methylene Blue TS, 1628

Methylene Chloride, 873

Methylene Dichloride, 873

3,4-(Methylenedioxy)-benzaldehyde,
 1011

Methyl Ester of Rosin, Partially
Hydrogenated, 852

Methyl Ethyl Cellulose, 853

Methyl Ethylene Oxide, 1085

Methyl Ethyl Ketone, 190

Methyl Eugenol, 854

L-Methylfolate, Calcium, 230

5-Methyl Furfural, 842

Methyl Furoate, 855

Methyl Glycol, 1082

Methyl Heptene, 843

6-Methyl-5-hepten-2-one, 843

Methyl Heptene Carbonate, 845

Methyl Heptyl Ketone, 917

Methyl Hexanoate, 856

Methyl Hexyl Ketone, 857

Methyl *p*-Hydroxybenzoate, 874

Methyl [*N*-(3-hydroxy-4-
 methoxy)phenylpropyl-*L*-aspartyl]-*L*-
 phenylalaninate Monohydrate, 30

Methyl Ionones, 858

Methyl Isobutyl Ketone, 840

2-Methyl-3-isobutylpyrazine, 688

Methyl Isobutyrate, 858

Methyl Isoeugenol, 859

d-1-Methyl-4-isopropenyl-6-
 cyclohexen-2-one, 289

l-1-Methyl-4-isopropenyl-6-cyclohexen-
 2-one, 290

5-Methyl-2-isopropyl-2-hexenal,
 843

2-Methyl-3-(*p*-
 isopropylphenyl)propionaldehyde,
 361

Methyl Isovalerate, 860

Methyl *N*-Methyl Anthranilate, 422

Methyl 2-Methylbutanoate, 845

Methyl 2-Methylbutyrate, 845

(*S*)-6-Methyl-2-[(*S*)-4-methylcyclohex-
 3-en-1-yl]hept-5-en-2-ol, 168

7-Methyl-3-methylene-1,6-octadiene,
 893

d-2-Methyl-5-(1-methylethenyl)-
 cyclohexanone, 415

1-Methyl-4-(1-methylethyl)-1,3-
 cyclohexadiene, 1276

1-Methyl-4-(1-methylethyl)-1,4-
 cyclohexadiene, 1277

(*E*)-1-Methyl-4-(6-methylhepta-2,5-
 dien-2-yl)cyclohex-1-ene(alpha-
 bisabolene), 168

(*S*)-1-Methyl-4-(6-methylhepta-1,5-
 dien-2-yl)cyclohex-1-ene(beta-
 bisabolene), 168

(*Z*)-1-Methyl-4-(6-methylhept-5-en-2-
 ylidene)cyclohex-1-ene(gamma-
 bisabolene), 168

Methyl 3-methylthiopropionate,
 866

Methyl β -Naphthyl Ketone, 844

Methyl Non-3-enoate, 861

Methyl *n*-Nonyl Acetaldehyde, 878

Methyl Nonyl Ketone, 1325

Methyl 2-Octynoate, 845

Methyl Orange, 1636

Methyl Orange TS, 1628

6-Methyl-1,2,3-oxathiazine-4(3H)-one-
 2,2 Dioxide Potassium Salt, 9

Methyl Oxirane, 1085

Methylparaben, 874

2-Methylpentanoic Acid, 875

4-Methylpentanoic Acid, 834

4-Methyl-2-pentanone, 840

2-Methyl-2-pentenoic Acid, 837

α -Methyl Phenylacetaldehyde, 999

Methyl Phenylacetate, 862

p-Methylphenyl Acetate, 355

Methyl Phenylcarbinol, 868

Methyl Phenylcarbinyl Acetate,
 863

Methylphenyl Ether, 86

5-Methyl 2-Phenyl 2-Hexenal, 841

Methyl Phenyl Ketone, 16

2-Methyl Propanoic Acid, 690

2-Methyl Propanyl Butyrate, 680

2-Methylpropyl 2-methyl propanoate,
 684

2-Methylpropyl 2-methylpropionate,
 684

2-Methylpropyl heptanoate, 682

2-Methylpropyl isobutyrate, 684

Methyl Propyl Ketone, 973

2-Methyl Propyl 3-Methyl
Butyrate, 836

2-(2-Methylpropyl)-3-methylpyrazine,
 688

2-Methylpyrazine, 876

Methyl Pyrazinyl Ketone, 21

Methyl Pyridyl Ketone, 20

Methyl 2-Pyrrolyl Ketone, 21

Methyl Red, 1636

Methyl Red-Methylene Blue TS, 1628

Methyl Red Sodium, 1636

Methyl Red TS, 1628

Methylrosaniline Chloride TS, 1628

- Methyl Salicylate**, 864
 Methyl Sulfide, 427
 L-Methyltetrahydrofolate, Calcium Salt, 230
 L-5-Methyltetrahydrofolic Acid, Calcium Salt, 230
 2-Methyl-3-(3,7,11,15-tetramethyl-2-hexadecenyl), 1343
4-Methyl-5-thiazole Ethanol, 840
Methyl Thiobutyrate, 864
 Methylthiomethylbenzene, 148
3-Methylthiopropionaldehyde, 877
 Methyl *p*-Tolyl Ketone, 839
2-Methylundecanal, 878
Methyl Valerate, 865
 Methyl Vanillin, 1337
 Methyl Violet TS, 1628
 Methyl Yellow, 1636
 mg/kg and Percent, 5
 Microbial Food Cultures Including Probiotics, 1563
 Microbial Limit Tests, 5
 Microbiological Enumeration Tests, 1551
 Microbiological Tests, 1550
 Bile-Tolerant Gram-Negative Bacteria, 1551
 Enterobacteria Enrichment Broth Mossel, 1550
 Enterobacter Sakazakii (*Cronobacter* SPP.), 1552
 Media and Reagents, 1550
 Microbiological Enumeration Tests, 1551
 Phosphate Buffer Solution pH 7.2, 1550
 Rappaport Vassiliadis Salmonella Enrichment Broth, 1550
 Sabouraud Dextrose Agar, 1550
 Salmonella SPP., 1552
 Buffered Sodium Chloride-Peptone Solution pH 7.0, 1550
 Soybean-Casein Digest Agar, 1550
 Soybean-Casein Digest Broth, 1550
 Stock Buffer Solution, 1550
 Tests for Absence of Specific Microorganisms, 1551
 Total Aerobic Microbial Count, 1551
 Total Yeasts and Molds Count, 1551
 Violet Red Bile Glucose Agar, 1550
 Xylose Lysine Deoxycholate Agar, 1551
 Milk-Clotting Activity, 1493
 Milk Ingredients
 Guidance Standard For Uhplc-Ms/ Ms Screening Of Nitrogen Containing Adulterants, 1577
 Millon's Reagent, 1628
Mineral Oil, High Viscosity, 880
Mineral Oil, Medium and Low Viscosity, 882
 Mineral Oil, White, 882
 Mixed Paraffinic Hydrocarbons, 616
 Mixture of 1,2- and 1,3-Benzaldehyde Cyclic Acetals of Glycerin, 134
 Mixture of α -, β -, γ - or α -iso, and δ -isomers, 858
 Mixture of Geranial [(*E*)-3,7-dimethyl-2,6-octadien-1-yl] and Neral [the (*Z*) isomer], 328
 Modified Cellulose, 300, 650, 651, 853, 871
 Modified Cellulose, EC, 473
 Modified Food Starch, 532
 Molar Solutions, 1630
 Molecular Structure and Chemical Formulas, 2
 Molecular Weight (Chewing Gum Base Polymers), 1467
 Monk Fruit Concentrate, 884
Monk Fruit Extract, 884
Mono- and Diglycerides, 885
Monoammonium L-Glutamate, 885
 Monoammonium Glutamate Monohydrate, 885
Monoammonium Glycyrrhizinate, 887
 Monoammonium Phosphate, 68
 Mono- And Diglycerides, Ethoxylated, 455
 Mono-*tert*-butylhydroquinone, 1271
 Monocalcium Benzoate, 211
 Monocalcium Phosphate, 240
Monoglyceride Citrate, 888
 Monoglycerides
 Total in Fats and Related Substances, 1518
 1-Monoglycerides (Fats and Related Substances), 1518
 Monomagnesium Dihydrogen Phosphate, 791
 Monomagnesium Orthophosphate, 791
 Monomagnesium Phosphate, 791
 Monoolein, 587
 Monopotassium D-Gluconate, 1053
Monopotassium L-Glutamate, 888
 Monopotassium Glutamate Monohydrate, 888
 Monopotassium Phosphate, 1062
 Monosodium 2-DL-hydroxy Succinate, 1183
 Monosodium Dihydrogen Phosphate, 1191
 Monosodium DL-Malate, 1183
 Monosodium Glutamate, 890
Monosodium L-Glutamate, 890
 Monosodium Glutamate Monohydrate, 890
 Monosodium Phosphate, 1191
 Monostearin, 588
 Morellone, 142
Morpholine, 891
Mortierella alpina Oil, 93
 MPG, 888
 MSG, 890
 L-5-MTHF-Ca, 230
 Murexide Indicator Preparation, 1636
Mustard Oil, 892
myo-Inositol Hexakis(dihydrogen Phosphate) Solution, 1003
Myrcene, 893
 Myrcia Oil, 129
Myristaldehyde, 893
Myristic Acid, 894
 Myristica Oil, 923
Myristyl Alcohol, 894
Myrrh Oil, 894
N
 1,4-Naphthalenedione, 1343
 α -Naphtholbenzein TS, 1628
 Naphthol Green B, 1636
 Naphthol Green TS, 1628
 β -Naphthyl Ethyl Ether, 896
Natamycin, 897
 Natural rubber (latex solids), 815
 Natural Terpene Resin, 1275
 C.I. Natural Yellow 10, 1091
 Near-Infrared Spectroscopy, 1693
 "Negligible", Defined, 5
Neohesperidine Dihydrochalcone, 898
Neotame, 899
Nerol, 902
Nerolidol, 903
 Nerolin II, 896
 Nerolin Bromelia, 896
Neryl Acetate, 904
 Nessler's Reagent, 1628
 Neutralized Phthalate Buffer, 1623
 Neutral Red, 1636
 Neutral Red TS, 1628
 Neutral Sulfite Method (Essential Oils and Flavors), 1506
Niacin, 904
Niacinamide, 905
Niacinamide Ascorbate, 906
Nickel, 907
 Nickel Catalysts, 907
 Nickel Limit Test, 1444
 Nickel Standard Solution TS, 1628
 Nicotinamide, 905
 Nicotinamide Ascorbate, 906
 Nicotinic Acid, 904
 Niger Gutta, 815
 Ninhydrin TS, 1628
Nisin A Preparation, 908
 Nispero, 814
 Nitrate Identification Test, 1428
 Nitre Cake, 1151
 Nitric Acid, 1628
 Nitric Acid TS, Diluted, 1628
 Nitric Oxide-Nitrogen Dioxide Detector Tube, 1637
 Nitrite Identification Test, 1428
Nitrogen, 909
 Nitrogen Determination
 α -Amino, 1447
 Ammonia, 1448
 Kjeldahl Method, 1460
Nitrogen Enriched Air, 910
 Nitrogen Oxide, 911
Nitrous Oxide, 911
(E),(E)-2,4-Nonadienal, 912
trans,cis-2,6-Nonadienal, 913

(E),(Z)-2,6-Nonadienal, 913
trans,trans-2,4-Nonadienal, 912
(E),(Z)-2,6-Nonadienol, 914
trans,cis-2,6-Nonadienol, 914
 δ -Nonalactone, 915
 γ -Nonalactone, 915
Nonanal, 916
Nonanoic Acid, 918
 1-Nonanol, 922
2-Nonanone, 917
Noncrystallizing Sorbitol Solution, 1216
(E)-2-Nonenal, 920
trans-2-Nonenal, 920
 3-Nonenoic Acid, Methyl Ester, 861
(E)-2-Nonen-1-ol, 918
(Z)-6-Nonen-1-ol, 919
cis-6-Nonen-1-ol, 919
trans-2-Nonenol, 918
 Nonfat Dry Milk
 Nonprotein Nitrogen Determination
 For Skim Milk Powder And Nonfat
 Dry Milk, 1584
**Nonprotein Nitrogen
 Determination For Skim Milk
 Powder And Nonfat Dry Milk**,
 1584
Nonyl Acetate, 921
Nonyl Alcohol, 922
 Normal Solutions, 1630
 Nuclear Magnetic Resonance, 1409,
 1670
Nutmeg Oil, 923

O

(Z),(Z)-9,12-Octadecadienoic Acid,
 764
 Octadecanoic Acid, 591, 1230
 Octadecanoic Acid, Zinc Salt, 1367
 (Z)-9-Octadecenoic Acid, 939
 δ -Octalactone, 925
 γ -Octalactone, 925
Octanal, 926
Octanoic Acid, 927
 1-Octanol, 933
3-Octanol, 927
 2-Octanone, 857
(E)-2-Octen-1-al, 928
trans-2-Octen-1-al, 928
(Z)-3-Octen-1-ol, 928
1-Octen-3-ol, 929
cis-3-Octen-1-ol, 928
1-Octen-3-yl Acetate, 930
1-Octen-3-yl Butyrate, 931
Octyl Acetate, 932
3-Octyl Acetate, 932
Octyl Alcohol, 933
Octyl Formate, 934
Octyl Isobutyrate, 935
 Octyl 2-Methylpropanoate, 935
 Odorless, Statement of, 3
 Oil Content of Synthetic Paraffin, 1416
 Oil of Frankincense, 942
 Oil of Shaddock, 596
 Completely Hydrogenated Oils and
 Fats, 935
Fully Hydrogenated Oils and Fats,
 935
 Hydrogenated Oils and Fats, 935
Oleic Acid, 939
 Oleoresin Angelica Seed, 1222
 Oleoresin Anise, 1222
 Oleoresin Basil, 1222
 Oleoresin Black Pepper, 1222
 Oleoresin Capsicum, 1223
 Oleoresin Caraway, 1223
 Oleoresin Cardamom, 1223
 Oleoresin Celery, 1223
 Oleoresin Coriander, 1223
 Oleoresin Cubeb, 1223
 Oleoresin Cumin, 1223
 Oleoresin Dillseed, 1223
 Oleoresin Fennel, 1223
 Oleoresin Ginger, 1223
 Oleoresin Hop, 1223
 Oleoresin Laurel Leaf, 1223
 Oleoresin Marjoram Sweet, 1223
 Oleoresin Origanum, 1223
 Oleoresin Paprika, 1223
 Oleoresin Parsley Leaf, 1223
 Oleoresin Parsley Seed, 1223
 Oleoresin Pimenta Berries, 1223
 Oleoresin Rosemary, 1223
 Oleoresins, 1526
 Color Value, 1526
 Curcumin Content, 1526
 Piperine Content, 1526
 Residual Solvent, 1527
 Total Capsaicinoids Content, 1528
 Volatile Oil Content, 1528
 Oleoresin Thyme, 1223
 Oleoresin Turmeric, 1223
Olestra, 940
Olibanum Oil, 942
Onion Oil, 943
 Optical (Specific) Rotation, 1396
Orange Oil, Bitter, Cold-pressed,
 944
Orange Oil, Cold-pressed, 945
Orange Oil, Distilled, 946
Origanum Oil, Spanish Type, 947
Origanum Oleoresin, 1223
Orris Root Oil, 948
 Orthophenanthroline TS, 1628
 Orthophosphoric Acid, 1002
 Oxalic Acid, 0.1 N, 1632
 Oxalic Acid TS, 1629
Ox Bile Extract, 949
 1:8 Oxido-*p*-menthane, 498
 Oxidoreductase
 Aspergillus niger var., 1471, 1472
 Bovine Liver, 1472
 Micrococcus lysodeikticus, 1472
 Oxyethylene Determination, 1519
 Oxygen Flask Combustion, 1381
Oxystearin, 950
Ozone, 950

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, 953
Palmitic Acid, 954
 Palmitoyl L-Ascorbic Acid, 100
 Palmityl alcohol, 614
**Palm Kernel Oil
 (Unhydrogenated)**, 952
Palm Oil (Unhydrogenated), 952
 Pancreatin, 445, 1493
 Pancreatin Activity, 1493
 Panthenol, 392
DL-Panthenol, 954
 D(+)-Pantothenyl Alcohol, 392
 DL-Pantothenyl Alcohol, 954
 Papain, 446, 1473
 Paper Chromatography, 1386
Paprika Oleoresin, 1223
Paraffin, Synthetic, 955
Parsley Herb Oil, 957
Parsley Leaf Oleoresin, 1223
Parsley Seed Oil, 958
Parsley Seed Oleoresin, 1223
 Partial Acid Digest of (Source) Protein,
 959
 Partial Enzymatic Digest of (Source)
 Protein, 959
 Partially Dementholized Mentha
 Arvensis Oil, 824
 Partially Hydrolyzed (Source) Protein,
 959
Partially Hydrolyzed Proteins, 959
 Patent Blue 5, 960
Patent Blue V, 960
 Peach Aldehyde, 1322
Peanut Oil (Unhydrogenated), 965
 Pectinase, 1473
Pectins, 965
 PEG, 1022
 Pelargonic Aldehyde, 916
 Pendare, 814
Pennyroyal Oil, 969
 ω -**Pentadecalactone**, 970
**Pentaerythritol Ester of Partially
 Hydrogenated Wood Rosin**, 971
**Pentaerythritol Ester of Wood
 Rosin**, 971
 3,3',4',5,7-Pentahydroxyflavone, 1091
 Pentahydroxyhexanoic acid, 564
 1,2,3,4,5-Pentahydroxypentane, 1354
 [2,3,4,5,6-Pentakakis(phosphonoxy)
 cyclohexyl]oxyphosphonic Acid
 Solution, 1003
 1,5-Pentanedial, 577
2,3-Pentanedione, 972
 Pentanoic Acid, 1331
 Pentanoic acid, butyl ester, 203
 1-Pentanol, 75

- 2-Pentanone**, 973
 Pentapotassium Triphosphate, 1067
 Pentasodium Triphosphate, 1206
 1-Pentyl Butyrate, 75
 1-Pentyl Formate, 75
 Pentyl Heptanoate, 76
 Pentyl Hexanoate, 671
 2-Pentyl-3-phenylprop-2-en-1-ol, 80
 People
 2010–2015, xi
 2015–2020, xiii
Peppermint Oil, 974
 Pepsin, 445, 1495
 Pepsin Activity, 1495
 Peptone (Source), 959
 Percentage of Cineole (Essential Oils and Flavors), 1507
 Perchloric Acid, 0.1 N, 1632
 Perchloric Acid, 0.1 N, in Dioxane, 1632
 Perillo, 814
Perlite, 975
 Permanent Rubin L6B, 765
 Peroxide Identification Test, 1428
 Peroxide Value
 Fats and Related Substances, 1520
 Flavor Chemicals Other Than Essential Oils, 1548
 Pesticide Residues, 1553
Petitgrain Oil, Paraguay Type, 976
Petrolatum, 977
 Petroleum Jelly, 977
Petroleum Wax, 978
Petroleum Wax, Synthetic, 980
 pH Determination, 1397
 α -**Phellandrene**, 981
Phenethyl Acetate, 982
 2-Phenethyl Acetate, 982
Phenethyl Alcohol, 983
 α -Phenethyl Alcohol, 868
Phenethyl Isobutyrate, 984
Phenethyl Isovalerate, 985
2-Phenethyl 2-Methylbutyrate, 988
Phenethyl Phenylacetate, 986
Phenethyl Salicylate, 987
 Phenolphthalein, 1636
 Phenolphthalein Paper, 1637
 Phenolphthalein TS, 1629
 Phenol Red, 1636
 Phenol Red TS, 1629
 Phenols (Essential Oils and Flavors), 1507
 Phenols, Free (Essential Oils and Flavors), 1508
 Phenolsulfonphthalein TS, 1629
Phenoxyethyl Isobutyrate, 988
 1-Phenyl-2-Ethyl-3-Hexanone, 142
Phenylacetaldehyde, 992
Phenylacetaldehyde Dimethyl Acetal, 993
Phenylacetic Acid, 994
DL-Phenylalanine, 995
 L-Phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L-aspartyl-, Methyl Ester, Monohydrate, 30
L-Phenylalanine, 996
 L-Phenylalanine, L- α -aspartyl-2-methyl ester compound with 6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide (1:1), 104
 Phenylbenzene, 166
 Phenyl Carbinol, 141
 α -Phenyl Ethyl Acetate, 863
 2-Phenylethyl Alcohol, 983
Phenylethyl Anthranilate, 997
Phenylethyl Butyrate, 998
Phenyl Ethyl Cinnamate, 989
Phenyl Ethyl Propionate, 990
 Phenyl Mercaptan, 135
 2-(Phenylmethylene)heptyl Acetate, 80
 2-(Phenylmethylene)heptyl Formate, 81
 p -Phenylphenol TS, 1629
3-Phenyl-1-propanol, 991
 3-Phenylpropenoic Acid, 318
2-Phenylpropionaldehyde, 999
3-Phenylpropionaldehyde, 1000
2-Phenylpropionaldehyde Dimethyl Acetal, 1001
3-Phenylpropyl Acetate, 998
 Phenylpropyl Alcohol, 991
 Phenylpropyl Aldehyde, 1000
 PHMO, 815
 Phosphatase
 Aspergillus niger var., 1473
 Phosphate Buffer, 1623
 Phosphate Buffer Solution pH 7.2, 1550
 Phosphate Identification Test, 1428
 Phosphate Standard Solution, 1624
 Phospholipase A₂, 445, 1496
 Phospholipase A₂ Activity, 1496
Phosphoric Acid, 1002, 1629
 Phosphoric acid, ammonium iron (II) salt, 520
 Phosphorus Limit Test, 1445
 Phosphotungstic Acid TS, 1629
 Phylloquinone, 1343
 Physical Tests and Determinations, 1385
 Physicochemical Properties, 1394
 Phytase, 448, 1496
 Phytase Activity, 1496
Phytic Acid Solution, 1003
 Phytanadione, 1343
 Picolinic Acid, Chromium(III) Salt, 315
 Picric Acid TS, 1629
 Pigment Metal 3, 593
 Pimaricin, 897
 Pimenta Berries Oil, 1005
Pimenta Berries Oleoresin, 1223
Pimenta Leaf Oil, 1006
Pimenta Oil, 1005
 Pimento Leaf Oil, 1006
 Pimento Oil, 1005
 Pineapples: *Ananas comosus* *Ananas bracteatus* (L), 1471
 1- α -Pinene, 1009
 2-Pinene, 1009
 α -**Pinene**, 1009
 β -**Pinene**, 1009
 Pine Needle Oil, 530, 1007
Pine Needle Oil, Dwarf, 1007
Pine Needle Oil, Scotch Type, 1008
Pinus pinaster Extract, 810
Piperidine, 1010
 Piperine Content, 1526
Piperonal, 1011
 Piperonyl Aldehyde, 1011
 Plant Proteolytic Activity, 1498
 Plasma Spectrochemistry, 1418
Poloxamer 331, 1011
Poloxamer 407, 1013
 Poly- β -(1,4)-2-amino-2-deoxy-D-glucose, 307
Polydextrose, 1015
Polydextrose Solution, 1018
 Polydimethylsiloxane, 428
Polyethylene, 1021
Polyethylene Glycols, 1022
 Polyglucitol, 644
 Polyglycerate (60), 455
Polyglycerol Esters of Fatty Acids, 1025
 Polyglycerol Esters of Interesterified Ricinoleic Acid, 1026
 Polyglycerol Polyricinoleate, 1026
Polyglycerol Polyricinoleic Acid, 1026
 PolyGlycopleX, 36
Polyisobutylene, 1028
 Poly[1-(2-oxo-1-pyrrolidinyl)ethylene], 1068
 Poly(oxy-1,2-ethanediyl) Derivative, 1030, 1032, 1035
 Polyoxyethylene (20) Mono- and Diglycerides of Fatty Acids, 455
 Polyoxyethylene (20) Sorbitan Monolaurate, 1030
 Polyoxyethylene (20) Sorbitan Monooleate, 1035
 Polyoxyethylene (20) Sorbitan Monostearate, 1032
 Polyoxyethylene (20) Sorbitan Tristearate, 1033
Polypropylene Glycol, 1029
 Polysaccharide Complex KAX, 36
Polysorbate 20, 1030
Polysorbate 40, 1031
Polysorbate 60, 1032
Polysorbate 65, 1033
Polysorbate 80, 1035
Polyvinyl Acetate, 1036
 Poly(vinyl acetate), 1036
Polyvinyl Alcohol, 1037
 Poly(vinyl alcohol), 1037
 Polyvinylpyrrolidone, 356
 Polyvinylpyrrolidone, 1068
Pomegranate Juice, 1371
Ponceau 4R, 1039
Pork Collagen, 1044
 Potassium Acetate TS, 1629
 Potassium Acid Phthalate, 0.1 N, 1633
Potassium Acid Tartrate, 1045
Potassium Alginate, 1046
 Potassium Alum, 55
Potassium Benzoate, 1046
Potassium Bicarbonate, 1047
 Potassium Biphosphate, 1062
 Potassium Biphthalate, 0.2 M, 1623

- Potassium Bitartrate, 1045
Potassium Bromate, 1048
Potassium Carbonate, 1048
Potassium Carbonate Solution, 1049
Potassium Chloride, 1049
 Potassium Chloride, 0.2 M, 1623
 Potassium Chromate TS, 1629
Potassium Citrate, 1052
 Potassium Dichromate, 0.1 N, 1633
 Potassium Dichromate TS, 1629
 Potassium Dihydrogen Phosphate, 1062
 Potassium Ferricyanide TS, 1629
 Potassium Ferrocyanide TS, 1629
Potassium Gibberellate, 1052
Potassium Gluconate, 1053
 Potassium Glutamate, 888
Potassium Glycerophosphate, 1054
Potassium Hydroxide, 1055
 Potassium Hydroxide, 0.5 N, Alcoholic, 1633
 Potassium Hydroxide, 1 N, 1633
Potassium Hydroxide Solution, 1055
 Potassium Hydroxide TS, 1629
 Potassium Hydroxide TS, Alcoholic, 1629
 Potassium Identification Test, 1428
Potassium Iodate, 1056
 Potassium Iodate, 0.05 M, 1633
Potassium Iodide, 1056
 Potassium Iodide TS, 1629
 Potassium Kurrol's Salt, 1063
Potassium Lactate Solution, 1057
Potassium Metabisulfite, 1059
 Potassium Metaphosphate, 1063
Potassium Nitrate, 1060
Potassium Nitrite, 1060
 Potassium Permanganate, 0.1 N, 1633
 Potassium Permanganate TS, 1629
Potassium Phosphate, Dibasic, 1061
Potassium Phosphate, Monobasic, 1062
 Potassium Phosphate, Monobasic, 0.2 M, 1623
Potassium Phosphate, Tribasic, 1063
Potassium Polymetaphosphate, 1063
 Potassium Polyphosphates, 1063
 Potassium Pyroantimonate TS, 1629
Potassium Pyrosulfate, 1065
 Potassium Pyrosulfite, 1059
 Potassium Salt, 1065
 Potassium Sodium Tartrate, 1194
Potassium Sorbate, 1065
Potassium Sulfate, 1066
 Potassium Sulfate TS, 1629
Potassium Sulfite, 1066
 Potassium Triphosphate, 1067
Potassium Tripolyphosphate, 1067
Povidone, 1068
 Powdered Cellulose, 302
 Powdered Decaffeinated Green Tea Extract, 1273
 Precipitated Calcium Phosphate, 241
 "Precision", Defined, 1641
 Preface, v
 Pressure Measurements, 5
L-Proline, 1071
Propane, 1071
 Propane, 1-3-diol, 1073
 1,2-Propanediol, 1082
1,3-Propanediol, 1073
 Biobased Content of, 1557
 1,2,3-Propanetriol Octadecanoate, 588
 1,2,3-Propane Tristearoyl Ester, 591
 Propanoic acid, 2-methyl-, 2-methylpropyl ester, 684
 2-Propanol, 698
n-Propanol, 1077
 2-Propanone, 14
 2-Propen-1-yl 3-phenyl-2-propenoate, 42
 1-Propene-1,2,3-tricarboxylic Acid, 25
 Propene Oxide, 1085
 2-Propenyl 2-aminobenzoate, 41
 2-Propenyl butyrate, 42
p-Propenylanisole, 82
 Propenyl cinnamate, 42
 2-Propenyl 5-cyclohexane pentanoate, 43
 2-Propenyl 3-phenyl-2-propenoate, 42
 2-Propenyl sulfide, 52
 4-Propenyl veratrole, 859
Propenylguaethol, 1074
Propionaldehyde, 1075
Propionic Acid, 1076
Propyl Acetate, 1076
n-Propyl Acetate, 1076
Propyl Alcohol, 1077
***p*-Propyl Anisole**, 1078
 Propylene Chlorohydrin Determination, 1535
Propylene Glycol, 1082
Propylene Glycol Alginate, 1083
 Propylene Glycol Ether of Methylcellulose, 651
 Propylene Glycol Lactostearate, 731
Propylene Glycol Mono- and Diesters, 1083
 Propylene Glycol Mono- and Diesters of Fatty Acids, 1083
 Propylene Glycol Monostearate, 1083
Propylene Oxide, 1085
 1,2-Propylene Oxide, 1085
Propyl Formate, 1078
Propyl Gallate, 1079
 Propyl *p*-Hydroxybenzoate, 1087
Propyl Mercaptan, 1080
Propylparaben, 1087
Propyl Propionate, 1081
n-Propyl Propionate, 1081
 Protease, 448
 Animal Pancreas, 1474
Aspergillus niger, 1471
Aspergillus niger var., 1471
Aspergillus niger var. *awamori* (Containing a *Calf Prochymosin* Gene), 1472
Aspergillus oryzae var., 1471
Bacillus cereus, 1474
Bacillus licheniformis var., 1474
Bacillus subtilis var., 1474
Endothia parasitica, 1474
Escherichia coli K-12 (Containing a *Calf Prochymosin* Gene), 1472
 Figs (*Ficus*) sp., 1472
Kluyveromyces marxianus, 1472
 Pancreatic Extract, Bovine or Porcine, 1472
 Papaya (*Carica papaya* (L)), 1473
 Pineapples: *Ananas comosus* *Ananas bracteatus* (L), 1471
 Porcine or Other Animal Stomach Tissue, 1473
Rhizomucor meihei, 1474
Rhizomucor pusillus (Lindt), 1474
 Ruminant Animal Stomach, 1474
Trichoderma longibrachiatum, 1471
 Protein-Based Ingredients, 1577
 Guidance Standard For UHPLC-MS/MS Screening Of Nitrogen Containing adulterants In Milk Ingredients, 1577
 Nonprotein Nitrogen Determination For Skim Milk Powder And Nonfat Dry Milk, 1584
 Proteins, Partially Hydrolyzed, 959
 Proteolytic Activity, Bacterial (PC), 1499
 Proteolytic Activity, Fungal (HUT), 1500
 Proteolytic Activity, Fungal (SAP), 1500
 Pteroylglutamic Acid, 531
 Pullulanase, 1501
Pullulan, 1087
 Pullulanase Activity, 1501
 Purified Oxgall, 949
 PVOH, 1037
 PVP, 1068
 PVPP, 356
 3-Pyridinecarboxylic Acid, 904
 Pyridinium, 1-Hexadecyl-, Chloride, Monohydrate, 303
Pyridoxine Hydrochloride, 1089
 Pyridoxol Hydrochloride, 1089
 Pyromucic Aldehyde, 542
 2-Pyroxidinedicarboxylic Acid, Chromium Salt, 315
Pyrrole, 1089
 L-2-Pyrrolidinedicarboxylic Acid, 1071

Q

- Qualitative Test for Phenols Using Ferric Chloride (Flavor Chemicals Other Than Essential Oils), 1549
Quercetin, 1091
 Quercetin-3-rutinoside trihydrate, 1116
 Quercetol, 1091
 Quertin, 1091
 Quertine, 1091
 Quimociac TS, 1629
 Quinaldine Red, 1636

Quinaldine Red TS, 1629
Quinine Hydrochloride, 1093
Quinine Sulfate, 1094
Quinoline Yellow, 1094
 Quinones (Chewing Gum Base Polymers), 1467

R

Racemic Pantothenyl Alcohol, 954
 Radioactivity, 1677
 Raman Spectroscopy, 1699
Rapeseed Oil, Fully Hydrogenated, 1098
Rapeseed Oil, Superglycerinated, 1098
 Rappaport Vassiliadis Salmonella Enrichment Broth, 1550
 Raspberry Ketone, 650
 Readily Carbonizable Substances, 1397
 Readily Carbonizable Substances in Ethyl Acetate, Limit Test, 1548
 Readily Oxidizable Substances in *dl*-Menthol, 1549
 Reagents, Specifications, 5
 Reb A, 1099
Rebaudioside A, 1099
 Rebiana, 1099
 Reduced Iron, 664
 Reducing Substances (Flavor Chemicals Other Than Essential Oils), 1549
 Reducing Sugars Assay, 1536
 Reference Standards, 6
 Refined Arachidonic Acid-Rich Oil (RAO), 93
 Refined Bleached Shellac, 1140
 Refined Microcrystalline Wax, 978
 Refined Paraffin Wax, 978
 Refractive Index, 1398
 Regular Bleached Shellac, 1139
 Reichert-Meissl Value, 1521
 Relative Atomic Mass and Half-Lives of Selected Radionucleotides, 1735
 Rennet, 1474
 Rennet, Bovine, 445
 Rennet, Calf, 445
 Rennet, Microbial, 448
 Requirements for Listing Substances in FCC, 3
 Residual Solvent (Oleo-resins), 1527
 Residual Styrene (Chewing Gum Base Polymers), 1468
 Residual Titration (for Water), 1404
 Residue on Evaporation
 Essential Oils and Flavors, 1508
 Flavor Chemicals (Other than Essential Oils), 1549
 Residue on Ignition (Sulfated Ash), 1424
 3-Rhamnoglucoside of 5,7,3',4'-tetrahydroxyflavonol, 1116
Rhodinol, 1103
Rhodinyl Acetate, 1104
Rhodinyl Formate, 1105
Riboflavin, 1106
 Riboflavin 5'-Phosphate Ester Monosodium Salt, 1107
 Riboflavin 5'-Phosphate Ester Monosodium Salt, Dihydrate, 1107
Riboflavin 5'-Phosphate Sodium, 1107
 Ribose, 1109
D-Ribose, 1109
Rice Bran Wax, 1110
 Ricinus Oil, 296
 "Robustness", Defined, 1643
 Rochelle Salt, 1194
 Rose Geranium Oil, Algerian Type, 554
Rosemary Extract, 1112
Rosemary Oil, 1114
Rosemary Oleoresin, 1223
Rose Oil, 1111
 Rosidinha (rosadinha), 814
 Rosins and Related Substances
 Acid Number, 1529
 Softening Point, 1529
 Viscosity, 1532
 Rosins and Related Substances, Tests and Assays, 1529
 Rubinpigment, 765
Rue Oil, 1115
 "Ruggedness", Defined, 1642
 Rum Ether, So-Called, 488
Rutin, 1116
 Rutin trihydrate, 1116

S

(S)-2-Amino-4-(methylselenyl)butyric Acid, 1135
 Sabouraud Dextrose Agar, 1550
Saccharin, 1119
Safflower Oil (Unhydrogenated), 1120
Sage Oil, Dalmatian Type, 1121
Sage Oil, Spanish Type, 1122
 SAIB, 1247
Salatrim, 1123
Salicylaldehyde, 1128
 Salicylaldehyde methyl ether, 85
Salmonella, 1574
Salmonella SPP., 1552
 SALP, 1148
 Salt, 1155
Sandalwood Oil, East Indian Type, 1129
 Sandalwood Oil, West Indian Type, 81
Santalol, 1130
Santalyl Acetate, 1131
 Saponification Value
 Essential Oils and Flavors, 1506
 Fats and Related Substances, 1521
Savory Oil (Summer Variety), 1132
 Schiff's Reagent, Modified, 1629
 Schizochytrium Oil, 400
 Scoville Heat Units, 1705
Seaweed-Derived Calcium, 1133
 Seignette Salt, 1194
 Selenium Limit Test, 1446
Selenium Speciation, 1462
L-Selenomethionine, 1135
DL-Serine, 1137
L-Serine, 1138
 Shea Butter, 1139
Sheanut Oil, Refined, 1139
Shellac, Bleached, 1139
Shellac, Bleached, Wax-Free, 1140
 Short- and Long-Chain Acyl Triglyceride Molecules, 1123
 Short Chain Fructooligosaccharides, 537
 Sieve Analysis of Granular Metal Powders, 1425
 Significant Figures, 6
Silicon Dioxide, 1141
Silver, 1142
 Silver Nitrate, 0.1 N, 1633
 Silver Nitrate TS, 1629
Siraitia grosvenorii Extract, 884
 Skim Milk Powder
 Nonprotein Nitrogen Determination For Skim Milk Powder And Nonfat Dry Milk, 1584
 Slaked Lime, 221
 Smectite, 132
 Soap, 1522
 Soda Alum, 55
 Soda Ash, 1153
Sodium Acetate, 1144
 Sodium Acetate, 0.1 N, 1633
Sodium Acid Pyrophosphate, 1145
 Sodium Acid Sulfate, 1151
 Sodium Acid Sulfite, 1152
Sodium Alginate, 1145
 Sodium Alginate, Konjac Flour (*Amorphophallus konjac*), Xanthan Gum Complex, 36
 Sodium Alum, 55
Sodium Aluminosilicate, 1146
Sodium Aluminum Phosphate, Acidic, 1148
Sodium Aluminum Phosphate, Basic, 1149
 Sodium Arsenite, 0.05 N, 1633
Sodium Ascorbate, 1149
 Sodium L-Ascorbate, 1149
Sodium Benzoate, 1150
 Sodium o-Benzosulfimide, 1198
Sodium Bicarbonate, 1151
 Sodium Biphosphate, 1191
Sodium Bisulfate, 1151
Sodium Bisulfite, 1152
 Sodium Bisulfite TS, 1629
 Sodium Bitartrate TS, 1629
 Sodium Borate TS, 1629
Sodium Carbonate, 1153
 Sodium Carbonate TS, 1629
 Sodium Carboxymethylcellulose, 300
Sodium Carboxymethyl Cellulose, Enzymatically Hydrolyzed, 1153
Sodium Chloride, 1155
 Sodium Chloride (Color Additive Assays), 1452
 Buffered Sodium Chloride-Peptide Solution pH 7.0, 1550
 Sodium Chlorite Solutions, Acidified, 24
 Sodium Choleate, 949

- Sodium Citrate**, 1159
 Sodium Cobaltinitrite TS, 1629
Sodium Cyclamate, 1159
 Sodium Cyclohexanesulfamate, 1159
 Sodium Cyclohexylsulfamate, 1159
Sodium Dehydroacetate, 1160
Sodium Diacetate, 1161
 Sodium 5-[4-dimethylamino- α -(4-dimethyliminocyclohexa-2,5-dienylidene) benzyl]-6-hydroxy-7-sulfonato-naphthalene-2-sulfonate, 597
 Sodium *N*-[4-[[4-(dimethylamino)phenyl](2-hydroxy-3,6-disulfo-1-naphthalenyl)-methylene]-2,5-cyclohexadien-1-ylidene-*N*-methylmethanaminium, 597
Sodium DL-Malate, 1182
 Sodium Dodecyl Sulfate, 1177
Sodium Erythorbate, 1161
Sodium Ferric Pyrophosphate, 1162
Sodium Ferrocyanide, 1164
Sodium Ferrous Citrate, 1165
 Sodium Fluoride TS, 1629
Sodium Fumarate, 1167
Sodium Gluconate, 1168
 Sodium D-Gluconate, 1168
 Sodium Glutamate, 890
 Sodium Hexametaphosphate, 1192
Sodium Hyaluronate (from Microbial Fermentation), 1169
 Sodium Hyaluronate (*Streptococcus*), 1169
 Sodium Hydrogen Carbonate, 1151
 Sodium Hydrogen Diacetate, 1161
Sodium Hydrogen DL-Malate, 1183
 Sodium Hydrogen Sulfite, 1152
Sodium Hydroxide, 1171
 Sodium Hydroxide, 0.2 M, 1623, 1623
 Sodium Hydroxide, 0.5 N, Alcoholic, 1634
 Sodium Hydroxide, 1 N, 1633
Sodium Hydroxide Solutions, 1171
 Sodium Hydroxide TS, 1629
 Sodium 3-(1-Hydroxyethylidene)-6-methyl-1,2-pyran-2,4(3*H*)-dione, 1160
Sodium Hypophosphite, 1172
 Sodium Hyposulfite, 1205
 Sodium Identification Test, 1428
 Sodium Indigotindisulfonate TS, 1627, 1629
Sodium Iron EDTA, 1173
 Sodium Iron Pyrophosphate, 1162
Sodium Lactate Solution, 1176
Sodium Lauryl Sulfate, 1177
Sodium Lignosulfonate, 1178
Sodium Magnesium Aluminosilicate, 1179
 Sodium Malate, 1182
Sodium Metabisulfite, 1184
Sodium Metaphosphate, Insoluble, 1185
Sodium Metasilicate, 1185
 Sodium Methoxide, 1186
 Sodium Methoxide, 0.1 N, in Pyridine, 1634
 Sodium Methoxide, 0.02 N, in Toluene, 1634
Sodium Methylate, 1186
Sodium Molybdate Dihydrate, 1187
 Sodium Monohydrogendicarbonate, 1200
Sodium Nitrate, 1188
Sodium Nitrite, 1189
 Sodium Nitroferricyanide TS, 1629
Sodium Phosphate, Dibasic, 1190
Sodium Phosphate, Monobasic, 1191
Sodium Phosphate, Tribasic, 1192
 Sodium Phosphate TS, 1629
Sodium Polyphosphates, Glassy, 1192
 Sodium Potassium Hexametaphosphate, 1193
 Sodium Potassium Phosphate, Glassy, 1193
Sodium Potassium Polyphosphates, Glassy, 1193
Sodium Potassium Tartrate, 1194
Sodium Potassium Tripolyphosphate, 1195
 Sodium Propanoate, 1196
Sodium Propionate, 1196
Sodium Pyrophosphate, 1197
 Sodium Pyrosulfite, 1184
Sodium Saccharin, 1198
 Sodium selenate, 1199
Sodium Selenate Anhydrous, 1199
Sodium Sesquicarbonate, 1200
 Sodium Silicoaluminat, 1146
Sodium Stearoyl Lactylate, 1201
Sodium Stearyl Fumarate, 1203
Sodium Sulfate, 1204
 Sodium Sulfate (Color Additive Assays), 1453
 Sodium Sulfide TS, 1629
Sodium Sulfite, 1204
Sodium Tartrate, 1205
 Sodium Tetraphenylborate TS, 1629
 Sodium Tetraphenylboron, 0.02 M, 1634
 Sodium Tetrapolyphosphate, 1192
Sodium Thiosulfate, 1205
 Sodium Thiosulfate, 0.1 N, 1634
 Sodium Thiosulfate TS, 1629
Sodium Trimetaphosphate, 1206
 Sodium Triphosphate, 1206
Sodium Tripolyphosphate, 1206
 Softening Point (Rosins and Related Substances), 1529
 Drop Method, 1529
 Ring-And-Ball Method, 1530
 Solidification Point, 1399
Solin Oil, 1208
 Solubility in Alcohol (Essential Oils and Flavors), 1508
 Solubility Specifications and Statements, 4
 Soluble Saccharin, 1198
 Solutions
 Colorimetric, 1623
 Preparation of, 6
 Standard Buffer, 1623
 Water for, 6
 Solutions and Indicators, 1623
 Sone-ka-varik, 593
 Sophoretin, 1091
Sorbic Acid, 1208
 Sorbitan Monododecanoate, 1030
 Sorbitan Monolaurate, 1209
 Sorbitan Monoctadecanoate, 1032
 Sorbitan Mono-9-octadecenoate, 1035
Sorbitan Monooleate, 1210
 Sorbitan Monopalmitate, 1211
Sorbitan Monostearate, 1212
 Sorbitan Tristearate, 1213
 D-Sorbitol, 1214
Sorbitol, 1214
 D-Sorbitol, 1214
Sorbitol Solution, 1215
 Noncrystallizing, 1216
 Soybean-Casein Digest Agar, 1550
 Soybean-Casein Digest Broth, 1550
Soybean Oil (Unhydrogenated), 1220
 High oleic, 1221
Soy Protein Concentrate, 1219
Spearmint Oil, 1221
 Specific Gravity, 6
 Fats and Related Substances, 1522
 "Specificity", Defined, 1641
 Specific Rotation, 1396
 Spectrophotometric Identification Tests, 1463
 Infrared Absorption, 1463
 Infrared Spectra, 1463
 Ultraviolet Absorption, 1463
 Spectrophotometry and Light-Scattering, 1684
Spice Oleoresins, 1222
 Angelica seed, 1222
 Anise, 1222
 Basil, 1222
 Black pepper, 1222
 Capsicum, 1223
 Caraway, 1223
 Cardamom, 1223
 Celery, 1223
 Coriander, 1223
 Cubeb, 1223
 Cumin, 1223
 Dillseed, 1223
 Fennel, 1223
 Ginger, 1223
 Hop, 1223
 Laurel leaf, 1223
 Marjoram sweet, 1223
 Origanum, 1223
 Paprika, 1223
 Parsley leaf, 1223
 Parsley seed, 1223
 Pimenta berries, 1223
 Rosemary, 1223
 Thyme, 1223
 Turmeric, 1223
Spike Lavender Oil, 1224
Spirulina, 1225

Stability (Fats and Related Substances), 1522
 Active Oxygen Method, 1522
 Standard Buffer Solutions, 1623
 Standard Solutions
 Ammonium, 1624
 Barium, 1624
 Iron, 1624
 Magnesium, 1624
 Phosphate, 1624
 Standard Solutions for the Preparation of Controls and Standards, 1624
Stannous Chloride, 1228
 Stannous Chloride TS, 1629
Staphylococcus Aureus, 1575
 Starch Hydrolysate, Hydrogenated, 644
 Starch Iodate Paper, 1637
 Starch Iodide Paper, 1637
 Starch Iodide Paste TS, 1629
 Starch TS, 1629
Starter Distillate, 1229
Stearic Acid, 1230
 Stearin, 591
Stearyl Alcohol, 1230
Stearyl Citrate, 1232
Stearyl Monoglyceridyl Citrate, 1232
 Sterculia Gum, 703
 Stevia Leaf Extract, 1234
Steviol Glycosides, 1234
 Stock Buffer Solution, 1550
 Strawberry Aldehyde, 485
 Stronger Ammonia Water, 62
 Sublimed sulfur, 1252
 Submissions to the Food Chemicals Codex, 1641
Succinic Acid, 1238
Succinylated Monoglycerides, 1239
Sucralose, 1240
 Sucroesters, 1248
Sucromalt, 1242
Sucrose, 1244
Sucrose Acetate Isobutyrate, 1247
Sucrose Fatty Acid Esters, 1248
 Sucrose (Refractive Index Scale), 1542
 Sugar, 1244
Sugar Beet Fiber, 1250
 Sugar Beet Pulp, 1250
 Sulfanilic Acid TS, 1630
 Sulfated Ash (Residue on Ignition), 1424
 Sulfate Identification Test, 1428
 Sulfate Limit Test, 1431
 Sulfite Identification Test, 1428
 Sulfiting Agents, Labeling, 3
 2-Sulfoethylamine, 1269
 Sulfur, 1252, 1463
Sulfur Dioxide, 1254
 Sulfur Dioxide Detector Tube, 1637
 Sulfur Dioxide Determination, 1537
Sulfuric Acid, 1255, 1630
 Sulfuric Acid, 1 N, 1634
 Sulfuric Acid, Alcoholic, 0.5 N, 1635
 Sulfuric Acid, Alcoholic, 5 N, 1635
 Sulfuric Acid Table, 1425

Sulfuric Acid TS, 1630
 Sulfuric Acid TS, Diluted, 1630
 Sulfuroil, 840
 Sulphur, 1252
 Summer Savory Oil, 1132
Sunflower Oil (Unhydrogenated), 1256
Sunset Yellow, 1257
 Sunset Yellow FCF, 508, 1257
 Superglycerinated Fully Hydrogenated Rapeseed Oil, 1098
 Sweet Basil Oil, 128
 Sweet Orange Oil, 945
 Sweetwood Bark Oil, 293
 Symbols, 7
 Synthetic Amorphous Silica, 1141
Synthetic Iron Oxide, 1258
 Synthetic Lycopene, 777
 Synthetic Magnesium Silicate, 792
 Synthetic Paraffin, 955
 Oil Content, 1416
 Synthetic Petroleum Wax, 980
 Synthetic Terpene Resin, 1276
 Synthetic Wax (Ethylene Polymer or Ethylene Copolymer with Alpha-Olefins), 980

T

D-Tagatose, 1260
 Tagetes Extract, 1260
Talc, 1261
Tallow, 1262
Tangerine Oil, Coldpressed, 1263
 Tangerine Oil, Expressed, 1263
Tannic Acid, 1264
 Tannic Acid TS, 1630
Tara Gum, 1265
 "Tared Container", Defined, 7
Tarragon Oil, 1266
Tartaric Acid, 1267
 L(+)-Tartaric Acid, 1267
 Tartrate Identification Test, 1428
Tartrazine, 507, 1268
Taurine, 1269
TBHQ, 1271
Tea Polyphenols from Green Tea, Decaffeinated, 1273
 Temperatures, 6
Terpene Resin, Natural, 1275
Terpene Resin, Synthetic, 1276
 α -**Terpinene**, 1276
 γ -**Terpinene**, 1277
Terpinen-4-ol, 1276
 α -**Terpineol**, 1277
Terpinyl Acetate, 1278
Terpinyl Propionate, 1279
 Tests and Assays, 4
 Tests for Absence of Specific Microorganisms, 1551
 Test Solutions (TS) and Other Reagents, 1624
 δ -**Tetradecalactone**, 1280
 Tetradecanal, 893
 Tetradecanoic Acid, 894
 1-Tetradecanol, 894
 Tetradecyl Alcohol, 894
Tetrahydrofurfuryl Alcohol, 1281
 Tetrahydrogeraniol, 421
Tetrahydrolinool, 1282
 Tetrahydro-2H-1,4-oxazine, 891
2,3,5,6-Tetramethylpyrazine, 1282
 Tetrapotassium Pyrophosphate, 1065
 Tetrasodium 4-acetamido-5-hydroxy-6-((7-sulfonato-4-[(4-sulfonatophenyl)diazanyl]naphthalen-1-yl)diazanyl)naphthalene-1,7-disulfonate, 173
 Tetrasodium Diphosphate, 1197
 Tetrasodium Pyrophosphate, 1197
Thaumatococcus, 1283
L-Theanine, 1285
 Thermometers, 1381
 Thermometric Equivalents, 1737
 Thiamine Chloride, 1286
Thiamine Hydrochloride, 1286
Thiamine Mononitrate, 1287
 Thiamine Nitrate, 1287
 Thibetolide, 970
 Thin-Layer Chromatography, 1387
 Thioallyl ether, 52
 Thiobenzyl alcohol, 148
 Thiobismethane, 427
 3,3-Thiobispropane, 52
 Thiophenol, 135
 Thiosulfate Identification Test, 1428
 Thorium Nitrate 0.1 M, 1635
 L-Threonic Acid Calcium Salt, 250
L-Threonine, 1288
 Thuja Oil, 297
Thyme Oil, 1289
Thyme Oleoresin, 1223
Thymol, 1290
 Thymol Blue, 1636
 Thymol Blue TS, 1630
 Thymolphthalein, 1636
 Thymolphthalein TS, 1630
 Tight Container, 3
 Time Limits, 6
 Tin Dichloride, 1228
Titanium Dioxide, 1291
 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), 1546
 Direct Aqueous Acid Base Titrations, 1546
 Direct Aqueous Alcoholic Acid Base Titrations, 1547
 TMG, 156
All-rac- α -Tocopherol, 1296
 DL- α -Tocopherol, 1296
 DL- α -Tocopherol Acetate, 1298
 D- α -Tocopherol Concentrate, 1295
RRR- α -Tocopherol Concentrate, 1295
 Tocopherols, 1523
 Tocopherols Concentrate, Mixed, 1299

RRR-Tocopherols Concentrate, Mixed, 1299**All-rac- α -Tocopheryl Acetate**, 1298D- α -Tocopheryl Acetate, 1302DL- α -Tocopheryl Acetate, 1298**RRR- α -Tocopheryl Acetate**, 1302D- α -Tocopheryl Acetate Concentrate, 1301**RRR- α -Tocopheryl Acetate Concentrate**, 1301D- α -Tocopheryl Acetate Preparation, 1301D- α -Tocopheryl Acid Succinate, 1304**RRR- α -Tocopheryl Acid Succinate**, 1304

Tolerances, 6

p-Tolualdehyde, 1305**Tolualdehyde, Mixed Isomers**, 1306

Toluene Distillation Method (for Water), 1405

 α -Toluic Acid, 994 α -Toluic Aldehyde, 992

o-Tolyl Acetate, 867

p-Tolyl Acetate, 355

Tolyl Aldehyde, Mixed Isomers, 1306

p-Tolyl Aldehyde, 1305

p-Tolyl Isobutyrate, 1307

Tomato Oleoresin Extract, 774

Torula Yeast, 1358

Total Aerobic Microbial Count, 1551

Total Alcohols (Essential Oils and Flavors), 1508

Total Capsaicinoids Content, 1528

Total Color (Color Additive Assays), 1453

Total Monoglycerides, 1518

Total Solids, 1538

Glucose Syrup (Corn Syrup), 1539

High-Fructose Corn Syrup, 1540

Invert Sugar, 1542

Maltodextrin, 1540

Total Unsaturation (Chewing Gum

Base Polymers), 1469

Total Yeasts and Molds Count, 1551

Trace Impurities, 6

Tragacanth, 1308

Tragacanth Gum, 1308

Transglutaminase, 448

Transglutaminase Activity, 1502

Trehalose, 1309**Triacetin**, 1312

Triatomic Oxygen, 950

Tribehenoyl-*sn*-glycerol, 585**Tributyrin**, 1313

Tricalcium Citrate, 216

Tricalcium Phosphate, 241

Trichloroethene, 1314

Trichloroethylene, 1314

1,1,2-Trichloroethylene, 1314

4,1',6'-Trichlorogalactosucrose, 1240

2-Tridecanone, 1310**2-Tridecenal**, 1311Tridocosanoyl-*sn*-glycerol, 585

Triethanolamine, 0.5 N, 1635

Triethyl Citrate, 1314(2*R*,3*S*)-2,3,4-Trihydroxybutyric Acid Hemicalcium Salt, 250

3,7,12-Trihydroxycholanolic Acid, 312

2,4 α ,7-Trihydroxy-1-methyl-8-methylenegibb-3-ene-1,10-dicarboxylic Acid 1,4- α -Lactone, 562

Triketohydrindene Hydrate TS, 1630

Trimagnesium Phosphate, 792

1-(2,6,6-Trimethyl-1-cyclohexenyl)-2-buten-1-one, 382

4-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-but-2-en-4-one, 382

1-(2,6,6-Trimethyl-2-cyclohexenyl)-2-buten-1-one, 382

4-(2,6,6-Trimethyl-2-cyclohexenyl)-2-butene-4-one, 382

1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 383

1-(2,6,6-Trimethyl-3-cyclohexenyl)-2-buten-1-one, 383

Trimethylamine, 1316

4-Trimethylamino-3-hydroxybutyrate, 272

2-Trimethylammonioacetate, 156

2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, 1009

4-(2,6,6-Trimethylcyclohex-1-enyl)but-2-en-4-one, 382

4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-buten-2-one, 658, 659

3,7,11-Trimethyl-1,6,10-dodecatrien-3-ol, 903

3,7,11-Trimethyl-2,6,10-dodecatrien-1-ol, 501

Trimethylene Glycol, 1073

Trimethylglycine, 156

3,5,5-Trimethyl Hexanal, 1316**2,4,5-Trimethyl δ -3-Oxazoline**, 1315**2,3,5-Trimethylpyrazine**, 1317

1,3,7-Trimethylxanthine, 208

Trinitrophenol TS, 1630

Triphosphate, 1206

Tripotassium Citrate, 1052

Tripotassium Phosphate, 1063

Tripropionin, 591

Trisodium Citrate, 1159

Trisodium Diphosphate, 1317

Trisodium Dipotassium

Tripolyphosphate, 1195

Trisodium Monohydrogen

Diphosphate, 1317

Trisodium Phosphate, 1192

Trisodium Pyrophosphate, 1317

Tristearin, 591

Trypsin, 445, 1503

Trypsin Activity, 1503

DL-Tryptophan, 1318**L-Tryptophan**, 1319

Tunu (tuno), 815

Turmeric Oleoresin, 1223**L-Tyrosine**, 1320**U**

Ultraviolet Absorbance of Citrus Oils

(Essential Oils and Flavors), 1508

Ultraviolet Absorption, 1463

UMP disodium salt, 439

Uncombined Intermediates and

Products of Side Reactions, 1454

 δ -Undecalactone, 1322 **γ -Undecalactone**, 1322**Undecanal**, 1323**2-Undecanone**, 1325**1,3,5-Undecatriene**, 1324

Undecen-10-al, 1326

10-Undecenal, 1326**(E)-2-Undecenal**, 1327**Undecyl Alcohol**, 1328

n-Undecyl Aldehyde, 1323

UNII Code, 2

Unmodified Food Starch, 535

Unsonifiable Matter, 1524

Urea, 1329

Uridine 5'-monophosphate disodium salt, 439

V

"Vacuum", Defined, 6

Valeraldehyde, 1331**Valeric Acid**, 1331 **γ -Valerolactone**, 1332

"Validation", Defined, 1641

Validation of Food Chemicals Codex Methods, 1641

L-Valine, 1333**Vanillin**, 1334

Vegetable Oil, Brominated, 179

Vegetable Oil Phytosterol Esters, 1335

Venezuelan chicle, 814

Veratraldehyde, 1337

Veratryl Aldehyde, 1337

Vinyl alcohol polymer, 1037

Vinyl carbonyl cinnamate, 42

1-Vinyl-2-pyrrolidone Crosslinked Insoluble Polymer, 356

Violet Red Bile Glucose Agar, 1550

Viscosity (Rosins and Related

Substances), 1532

Viscosity Determination, 1400

Cellulose Gum, 1402

Dimethylpolysiloxane, 1401

Methylcellulose, 1401

Vital Wheat Gluten, 1345

Vitamin A, 1337Vitamin B₁, 1286, 1287Vitamin B₁ Hydrochloride, 1286Vitamin B₁ Mononitrate, 1287Vitamin B₂, 1106Vitamin B₆, 1089Vitamin B₆ Hydrochloride, 1089**Vitamin B₁₂**, 1340

Vitamin C, 99

Vitamin C Sodium, 1149

Vitamin D, 1341, 1342

Vitamin D₂, 1341**Vitamin D₃**, 1342

Vitamin E Acetate, 1298

Vitamin K, 1343

Volatile Acidity, 1525

Volatile Oil Content

Oleoresins, 1528

Volatile Oil Content (Essential Oils and Flavors), 1509

Volumetric Apparatus, 1382

Volumetric Solutions, 1630

W

Water (Reagent), 5

Carbon Dioxide-Free, 5

Deaerated water, 5

Degassed Water, 5

Water-Insoluble Matter (Color Additive Assays), 1457

Water and Loss on Drying, 6

Water Determination, 1403

Coulometric Titration, 1405

Direct Titration, 1403

Karl Fischer Titrimetric Method, 1403

Residual Titration, 1404

Toluene Distillation, 1405

Water for Solutions, 6

Water-Insoluble Matter, 1426

Water Vapor Detector Tube, 1637

Weighing Practices

“Constant Weight”, Defined, 7

“Tared Container”, Defined, 7

Weights and Balances, 1383

Weights and Measures, 7

Well-Closed Container, 3

Wheat Gluten, 1345

Wheat Protein Isolate, 1345

Whey, 1346

Whey Protein Concentrate, 1349

Whey Protein Isolate, 1350

Whey, Reduced Lactose, 1347

Whey, Reduced Minerals, 1348

White Cedar Leaf Oil, 297

White Petrolatum, 977

White Shellac, 1139

White Wax, 130

Wine Yeast Oil, 345

Wintergreen Oil, 1351

Wood sugar, 1355

Wool Fat, 735

X

Xanthan Gum, 1353

Xanthaurine, 1091

Xylenol Orange, 1636

Xylenol Orange TS, 1630

Xylitol, 1354

D-Xylopyranose, 1355

Xylose, 1355

(+)-Xylose, 1355

D-Xylose, 1355

Xylose Lysine Deoxycholate Agar, 1551

Y

Yam Flour, 705

Yeast, Autolyzed, 1357

Yeast, Dried, 1358

Yeast Extract, 1360

Yellow Petrolatum, 977

Yellow Prussiate of Soda, 1164

Yellow Wax, 131

Z

Zein, 1364

Zinc Acetate, 1365

Zinc Acetate Dihydrate, 1365

Zinc Distearate, 1367

Zinc Gluconate, 1366

Zinc Identification Test, 1428

Zinc Oxide, 1367

Zinc Stearate, 1367

Zinc Sulfate, 1369

Zinc Sulfate, 0.05 M, 1635

Zingerone, 1369