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WRITER'S OFFICE ON
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May 3, 1994

BY FEDERAL EXPRESS

Michael P. Eriksen, Sc.D.
Director, Office on Smoking and Health
National Center for Chronic Disease Prevention and Health Promotion
4770 Buford Highway, NE
Atlanta, GA 30341-3724

Re: Smokeless Tobacco Ingredient List

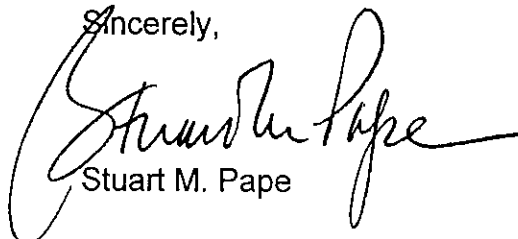
Dear Dr. Eriksen:

By letter of this date, I have transmitted to Congressman Henry A. Waxman, Chairman of the Subcommittee on Health and the Environment of the House Committee on Energy and Commerce and Congressman Thomas J. Bliley, Jr., Ranking Minority Member of the Subcommittee, a copy of a list of all of the ingredients added to tobacco in the manufacture of smokeless tobacco products. The list is also being made publicly available.

The list that was transmitted to Congressmen Waxman and Bliley contains each of the ingredients added to tobacco in the manufacture of smokeless tobacco products by the ten companies whose ingredients I reported to you on April 4, 1994. I have enclosed a copy of the list that was transmitted to Congressmen Waxman and Bliley. As you will see, the format of the enclosed list differs from that provided to you on April 4, 1994, but the ingredients are the same.

If you have any questions about this list, please contact the undersigned.

Sincerely,



Stuart M. Pape

SMP:lrb

May 3, 1994

**SMOKELESS TOBACCO INGREDIENT LIST
AS OF APRIL 4, 1994**

The following forty-five pages contain a list of the ingredients added to tobacco in the manufacture of smokeless tobacco products as of April 4, 1994. The list sets forth the ingredients used by the following ten companies: Brown & Williamson Tobacco Corporation, Byfield Snuff Company, Conwood Company, L.P., Helme Tobacco Company, House of Windsor, Inc., National Tobacco Company, The Pinkerton Tobacco Company, R.C. Owen Company, Fred Stoker & Sons, Inc., and United States Tobacco Company. This list contains each ingredient included in the compilation of ingredients submitted by these ten companies to the Office on Smoking and Health of the Centers for Disease Control as mandated by the Comprehensive Smokeless Tobacco Health Education Act of 1986 and regulations issued by the Office on Smoking and Health.

The list contains the following information:

1. **Common name of the ingredient:** Many ingredients have multiple names. The list shows the common or typical name for the ingredient.
2. **Regulatory status:** The common name of the ingredient is followed by a statement of the regulatory status of the ingredient for use in food (such as FDA GRAS or FEMA GRAS). References to "FEMA GRAS" refer to determinations of GRAS status by the Flavor Extract Manufacturers Association ("FEMA"). FDA has long accepted FEMA's findings of GRAS status.
3. **Representative Foods:** The regulatory status of the ingredient is followed by examples of representative foods in which the ingredient naturally occurs and/or foods in which the ingredient is commonly used.

Ingredients Added to Tobacco
in the Manufacture of Smokeless Tobacco Products
as of April 4, 1994¹

1. **ACACIA (GUM ARABIC)** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, fats and oils, milk products, cough drops and beverages.
2. **ACESULFAME POTASSIUM** - FDA approved food additive; used as a sugar substitute and in dry beverage bases and puddings.
3. **ACETAL** - FDA approved food additive; FEMA GRAS; found in apple, orange, grape, papaya, raspberry, and strawberry; used in alcoholic and non-alcoholic beverages and frozen dairy desserts.
4. **ACETALDEHYDE** - FDA GRAS; FEMA GRAS; found in apple, apricot, banana, bread, cherry, cider, citrus fruits, orange juice, peaches, pear, pineapple, raspberry, and strawberry; used in baked goods, milk, cheese, dairy products, beverages, and fruit, chocolate, coffee, and butter flavors.
5. **ACETANISOLE** - FDA approved food additive; FEMA GRAS; found in grape, tomato, anise, peppermint oil, and roast beef; used in baked goods, frozen dairy desserts, beverages, chewing gum, and candy.
6. **ACETIC ACID** - FDA GRAS; FEMA GRAS; found in vinegar, apple, apricot, banana, coffee, roasted peanuts; used in chocolate covered candy, vermouth, and table wine.
7. **ACETOIN** - FDA GRAS; FEMA GRAS; found in apple, sour cherry, orange juice, cranberry, pear, raspberry, and strawberry; used in baked goods, breakfast cereals, candy, cottage cheese, margarine, shortening, frozen dairy desserts, and puddings.

¹ The companies whose ingredients appear on this list are: Brown & Williamson Tobacco Corporation, Byfield Snuff Company, Conwood Company, L.P., Helme Tobacco Company, House of Windsor, Inc., National Tobacco Company, The Pinkerton Tobacco Company, R.C. Owen Company, Fred Stoker & Sons, Inc., and United States Tobacco Company.

8. **ACETOPHENONE** - FDA approved food additive; FEMA GRAS; found in apple, cranberry, grape, endive, shrimp, and nectarine; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, hard candy, and chewing gum.
9. **ACETYL PROPIONYL** - FDA approved food additive; FEMA GRAS; found in butterscotch, caramel, peas, potato, tomato, butter, wheat bread and fruits; used in baked goods, breakfast cereals, frozen dairy desserts, meat products, gelatin, and puddings.
10. **ACETILPYRIDINE, 2-** - FEMA GRAS; found in cocoa, coffee, roasted peanuts, beer, wheat bread; used in breakfast cereals, frozen dairy desserts, and candy.
11. **ACONITIC ACID** - FDA GRAS; FEMA GRAS; found in sugarcane; used in baked goods, alcoholic beverages, and soft candy.
12. **ALFALFA, SOLID EXTRACT** - FDA GRAS; FEMA GRAS; found in alfalfa; used in baked goods, frozen dairy desserts, meat products, soft candy, gelatin, and puddings.
13. **ALLSPICE, ALLSPICE OIL, AND ALLSPICE POWDER EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, beverages, condiments, candy, sauces, meats, and soups.
14. **ALLYL CYCLOHEXANEPROPIONATE** - FDA approved food additive; FEMA GRAS; found in pineapple and fruit blends; used in beverages, frozen dairy desserts, candy, and baked goods.
15. **ALLYL HEPTANOATE** - FEMA GRAS; used in baked goods, milk, beverages, and chewing gum.
16. **ALLYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in apples, and pineapples; used in fruit blends, baked goods, beverages, candy, gelatin, and puddings.
17. **ALMOND OIL, BITTER** - FDA GRAS; FEMA GRAS; derived from almonds; used in baked goods, beverages, frozen dairy desserts, alcoholic beverages, candy, puddings, and chewing gum.
18. **ALUMINUM SULFATE** - FDA GRAS; found in beer and malt beverages; used in infant formula, pickles, relish, and potatoes.
19. **AMMONIUM BICARBONATE** - FDA GRAS; used in snack foods and baked goods.

20. **AMMONIUM CARBONATE** - FDA GRAS; used in chocolate covered candy, baked goods, caramel, wine, gelatin, and puddings.
21. **AMMONIUM CHLORIDE** - FDA GRAS; used in baked goods, candy, . gravy and sauces.
22. **AMYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apple, cranberry juice, raspberry, and asparagus; used in baked goods, candy, gelatin, and puddings.
23. **AMYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple juice and wine; used in candy, beverages, frozen dairy desserts, baked goods, gelatin, syrup, and chewing gum.
24. **AMYL FORMATE** - FDA approved food additive; FEMA GRAS; found in rum, strawberry, and tomato; used in non-alcoholic beverages, candy, and chewing gum.
25. **AMYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in apple, pineapple, soybean, passion fruit juice and grapes; used in beverages, frozen dairy desserts, baked goods, puddings, candy, and chewing gum.
26. **AMYL ISOVALERATE** - FEMA GRAS; found in banana, peppermint oil, cheese, beef, and beer; used in baked goods, meats, meat products, and chewing gum.
27. **AMYL OCTANOATE** - FDA approved food additive; FEMA GRAS; found in apple, melon, strawberry, cider, and white wine; used in baked goods, frozen dairy desserts, candy, and puddings.
28. **AMYL CINNAMALDEHYDE, ALPHA-** - FDA approved food additive; FEMA GRAS; found in soybean and black tea; used in baked goods, candy, and chewing gum.
29. **ANETHOLE, TRANS-** - FDA GRAS; FEMA GRAS; found in cheese, apples, licorice; used in baked goods, candy, frozen dairy desserts, chewing gum, and alcoholic beverages.
30. **ANGELICA ROOT OIL** - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, alcoholic beverages, baked goods, breakfast cereals, snack foods, and chewing gum.

31. **ANISE EXTRACT AND ANISE OIL** - FDA GRAS; FEMA GRAS; used in frozen dairy desserts, ices, baked goods, candy, chewing gum, alcoholic beverages, and condiments.
32. **ANISYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, and gelatin.
33. **ANISYL ALCOHOL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, beverages, and soft candy.
34. **ANISYL FORMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, and beverages.
35. **ANISYL PROPIONATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and gelatin.
36. **APPLE CONCENTRATE, APPLE JUICE, AND APPLE JUICE CONCENTRATE** - Common food items; used in baked goods, jellies, apple butters, and beverages.
37. **ASCORBIC ACID** - FDA GRAS; FEMA GRAS; used in breakfast cereals, fruits, juices, snack foods, and beverages.
38. **BALSAM OF PERU AND OIL** - FDA GRAS; FEMA GRAS; used in baked goods, candy, beverages, chewing gum, and syrup.
39. **BASIL OIL** - FDA GRAS; FEMA GRAS; used in baked goods, pasta, fats and oils, meats, soups, and pizza.
40. **BENZALDEHYDE** - FDA GRAS; FEMA GRAS; found in almonds, peaches, apricots, and nuts; used in baked goods, alcoholic beverages, frozen dairy desserts, candy, puddings, and chewing gum.
41. **BENZALDEHYDE DIMETHYL ACETAL** - FDA approved food additive; FEMA GRAS; found in almond, cherry, peach, apricot, and nuts; used in baked goods, frozen dairy desserts, soft candy, gelatin, and puddings.
42. **BENZALDEHYDE GLYCERYL ACETAL** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, gelatin, and puddings.
43. **BENZODIHYDROPYRONE** - FEMA GRAS; used in baked goods, frozen dairy desserts, condiments, candy, gelatin, puddings, and beverages.

44. **BENZOIC ACID** - FDA GRAS; FEMA GRAS; found in apple, apricot, sour cherry, cranberry, nutmeg, and pepper; used in baked goods, breakfast cereals, fats and oils, and candy.
45. **BENZOIN, BENZOIN GUM/RESIN, AND BENZOIN GUM/RESIN (SIAM)** - FDA approved food additives; FEMA GRAS; used in sweet flavors, vanilla, butterscotch, baked goods, beverages, candy, and chewing gum.
46. **BENZYL ACETATE** - FDA approved food additive; FEMA GRAS; found in cherry, peach, apricot, raspberry, and strawberry; used in beverages, frozen dairy desserts, baked goods, candy, chewing gum, and puddings.
47. **BENZYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apple, asparagus, beef, cheddar cheese, and chicken; used in baked goods, chewing gum, frozen dairy desserts, and candy.
48. **BENZYL BENZOATE** - FDA approved food additive; FEMA GRAS; found in cloves, butter, black tea, papaya, and cranberry; used in baked goods, frozen dairy desserts, and candy.
49. **BENZYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in pear, apricot, berry, plum, cheese; used in baked goods, frozen dairy desserts, soft candy, chewing gum, alcoholic and non-alcoholic beverages.
50. **BENZYL CINNAMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, and candy.
51. **BENZYL FORMATE** - FDA approved food additive; FEMA GRAS; found in apricot, peach, coffee, grape, cranberry and pineapple; used in frozen dairy desserts, baked goods, meat products, chewing gum, gelatin, and puddings.
52. **BENZYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; found in cheese; used in baked goods, frozen dairy desserts, meat products, soft candy and fruit flavors.
53. **BENZYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; found in honey and caramel; used in baked goods, frozen dairy desserts, and chewing gum.
54. **BENZYL PROPIONATE** - FEMA GRAS; found in apricot, peach, cherry, raspberry, and banana; used in baked goods, frozen dairy desserts, gelatin, puddings, chewing gum, and candy.

- 55. **BENZYL SALICYLATE** - FDA approved food additive; FEMA GRAS; found in apricot, peach, banana, and raspberry; used in frozen dairy desserts, candy, and baked goods.
- 56. **BENZYLIDENE ACETONE** - FDA approved food additive; FEMA GRAS; found in strawberry, cherry, peach, chocolate, nuts, and vanilla; used in baked goods, frozen dairy desserts, candy, gelatin, and puddings.
- 57. **BERGAMOT OIL** - FDA GRAS; FEMA GRAS; used in frostings, gelatin, chewing gum, candy, baked goods, frozen dairy desserts, and alcoholic beverages.
- 58. **BIRCH OIL** - FEMA GRAS; used in candy, syrups, baked goods, frozen dairy desserts, puddings, chewing gum, and beverages.
- 59. **BIRCH TAR OIL** - FDA approved food additive; used in baked goods, milk, cheese, condiments, snack foods, and gravy.
- 60. **BLACK WALNUT LEAF OLEORESIN** - FDA approved food additive; used in seasonings.
- 61. **BOIS DE ROSE OIL** - FDA GRAS; FEMA GRAS; used in baked goods, chewing gum, and candy.
- 62. **BORONIA** and **BORONIA ABSOLUTE** - FDA approved food additives; FEMA GRAS; used in raspberry, strawberry, peach, plum, and other fruit flavors and non-alcoholic beverages, frozen dairy desserts, candy, and baked goods.
- 63. **BRAN OIL** - GRAS; Common food item.
- 64. **BUCHU LEAVES OIL** - FDA approved food additive; FEMA GRAS; used in beverages, ice cream, candy, baked goods, and condiments.
- 65. **BUTYL 10-UNDECENOATE** - FDA approved food additive; used in baked goods, candy, sauces, puddings, beverages, and chewing gum.
- 66. **BUTYL 2-METHYLBUTYRATE** - FEMA GRAS; found in apple, apricot, banana, sweet cherry, and melon; used in candy, puddings, and non-alcoholic beverages.
- 67. **BUTYL ACETATE** - FDA approved food additive; FEMA GRAS; found in banana, pear, pineapple, and cherry; used in baked goods, beverages, frozen dairy desserts, cheeses, and candy.

- 68. **BUTYL ALCOHOL** - FDA approved food additive; found in apple, banana, lemon juice, orange juice, cranberry, and melon; used in baked goods, milk, cheese, candy, puddings, soups, and snack foods.
- 69. **BUTYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple, pear, banana, butter; used in candy, baked goods, frozen dairy desserts, chewing gum, and beverages.
- 70. **BUTYL BUTYRYLLACTATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, breakfast cereals, pasta, milk, and cheese.
- 71. **BUTYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in pineapple, butter, apple, apricot, banana, orange juice and rum; used in baked goods, frozen dairy desserts, soft candy, beverages, gelatin, and puddings.
- 72. **BUTYL ISOBUTYRATE** - FDA approved food additive; FEMA GRAS; found in pineapple, apple, apricot, banana, and cherry; used in baked goods, frozen dairy desserts, candy, and beverages.
- 73. **BUTYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; found in apple, pear, plum; used in baked goods, frozen dairy desserts, candy, and chewing gum.
- 74. **BUTYL P-HYDROXYBENZOATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, frozen dairy desserts and non-alcoholic beverages.
- 75. **BUTYL PROPIONATE** - FDA approved food additive; FEMA GRAS; found in apricot, apple papaya, melon, strawberry, and cheese; used in fruit flavors and rum; used in baked goods, frozen dairy desserts, candy, gelatin, and puddings.
- 76. **BUTYLATED HYDROXYANISOLE** - FDA GRAS; FEMA GRAS; used in beverages, desserts, breakfast cereals, baked goods, margarine, and meat.
- 77. **BUTYLATED HYDROXYTOLUENE** - FDA GRAS; FEMA GRAS; used in breakfast cereals, fats, meat, margarine, and potato granules/flakes.
- 78. **BUTYRALDEHYDE** - FDA approved food additive; FEMA GRAS; found in apple, banana, sweet cherry, orange juice, and pear; used in baked goods, frozen dairy desserts, meat products, soft candy, gelatin, puddings, beverages, and gravy.

79. **BUTYRIC ACID, N-** - FDA GRAS; FEMA GRAS; found in apple, blueberry, currants, grape, peach; used in snack foods, butter, cheese, caramel, beverages, frozen dairy desserts, and candy.
80. **BUTYROLACTONE, GAMMA-** - FEMA GRAS; found in apricot, sour cherry, cranberry, raisin, melon, and peach; used in baked goods, breakfast cereals, grain products, milk products, meat products, frozen dairy desserts, fruit ices, candy, soup, and beverages.
81. **CADINENE** - FDA approved food additive; found in grapefruit peel oil, cinnamon, and thyme; used in condiments, candy, snack foods, gravy, and baked goods.
82. **CALCIUM CARBONATE** - FDA GRAS; used in grain products, pasta, rice, and baked goods.
83. **CALCIUM SACCHARIN AND SODIUM SACCHARIN** - FDA approved food additives; used in chewable vitamins, gum, flavor chips and beverages.
84. **CANANGA OIL** - FDA GRAS; FEMA GRAS; used in baked goods, non-alcoholic beverages, and candy.
85. **CAPRYLIC/CAPRIC ACIDS** - FDA approved food additives; FEMA GRAS; used in baked goods, fats and oils, milk, cheese, and beverages.
86. **CAPSICUM OLEORESIN** - FDA GRAS; FEMA GRAS; used in baked goods, milk, frozen dairy desserts, condiments, soups, and snack foods.
87. **CARAMEL** - FDA GRAS; used in baked goods, beverages, frozen dairy desserts, and candy.
88. **CARBON, ACTIVATED** - GRAS; used in baked goods and alcoholic beverages.
89. **CAROB BEAN AND CAROB EXTRACT (ST. JOHN'S BREAD)** - FDA GRAS; FEMA GRAS; used in baked goods, candy, beverages, frozen dairy desserts, puddings, toppings and nonalcoholic beverages.
90. **CARROT SEED OIL** - FDA GRAS; FEMA GRAS; used in baked goods, seasonings, and gravy.
91. **CARVACROL** - FDA approved food additive; FEMA GRAS; found in lemon peel oil, cranberry, papaya, and potato; used in baked goods, meat flavors, condiments, and flavorings.

92. **CARVOMENTHENOL, 4-** - FDA approved food additive; FEMA GRAS; found in apple, apricot, lemon, lime and nutmeg; used in frozen dairy desserts, meat products, puddings, and chewing gum.
93. **CARVONE** - FDA GRAS; FEMA GRAS; found in blackberry, caraway, dill, endive, and grapefruit; used in baked goods, cheese, condiments, candy, frozen dairy desserts, and beverages.
94. **CARYOPHYLLENE ALCOHOL** - FDA approved food additive; used in condiments, gravy, baked goods, meat products, and candy.
95. **CARYOPHYLLENE, BETA-** - FDA approved food additive; FEMA GRAS; found in orange juice, lime, cranberry, cinnamon; used in baked goods, frozen dairy desserts, meat products, and beverages.
96. **CASCARA SAGRADA** - FDA approved food additive; used in beverages, baked goods, and frozen dairy desserts.
97. **CASCARILLA OIL** - FDA GRAS; FEMA GRAS; used in baked goods, condiments, and candy.
98. **CASSIA, CASSIA BARK OIL AND CASSIE ABSOLUTE** - FDA GRAS; FDA approved food additive; FEMA GRAS; used in baked goods, breakfast cereals, milk, fruits, juices, pasta, and fats and oils.
99. **CASTOREUM EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, condiments, chewing gum, and candy.
100. **CATECHU EXTRACT** - FDA approved food additive; FEMA GRAS; used in carbonated beverages, baked goods, frozen dairy desserts, and soft candy.
101. **CEDARWOOD OIL ALCOHOLS AND CEDARWOOD OIL TERPENES** - FDA approved food additives; used in candy and non-alcoholic beverages.
102. **CELERY SEED OIL** - FDA GRAS; FEMA GRAS; used in baby food vegetables, soups, and meats and vegetables.
103. **CELLULOSE** - GRAS; used in beverages, baked goods, meat, poultry and fish products, and jams.

104. **CHAMOMILE FLOWER (HUNGARIAN, BLUE OR GERMAN) OIL AND CHAMOMILE FLOWER (ROMAN OR ENGLISH)** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, frozen dairy desserts, and chewing gum.
105. **CHERRY BARK, WILD, EXTRACT** - FDA GRAS; FEMA GRAS; used in beverages, baked goods, puddings, syrup, frozen dairy desserts, and candy.
106. **CHERRY JUICE, CONCENTRATE** - Common food item.
107. **CHICORY EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, candy, sauces, puddings, beverages, and nuts.
108. **CHOCOLATE LIQUOR** - Common food item used to make chocolate.
109. **CINNAMALDEHYDE** - FDA GRAS; FEMA GRAS; found in sour cherry, lemon peel oil, cinnamon, and clove; used in frozen dairy desserts, condiments, beverages, baked goods, gravy, and candy.
110. **CINNAMON, CINNAMON BARK OIL AND CINNAMON LEAF OIL** - FDA GRAS; FEMA GRAS; used in candy, meat products, baked goods, condiments, beverages, puddings, gelatin, chewing gum, frozen dairy desserts, and sauces.
111. **CINNAMYL ACETATE** - FDA approved food additive; FEMA GRAS; found in guava, melon, cinnamon, tarragon, and basil; used in frozen dairy desserts, candy, and condiments.
112. **CINNAMYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apricot, peach, raspberry, and plum; used in frozen dairy desserts, baked goods, candy, puddings, chewing gum, and non-alcoholic beverages.
113. **CINNAMYL CINNAMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, and candy.
114. **CINNAMYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; used in candy, gelatin, puddings, and chewing gum.
115. **CITRAL** - FDA GRAS; FEMA GRAS; found in orange juice, lemon peel oil, grapefruit juice, guava, and ginger; used in baked goods, beverages, candy, and frozen dairy desserts.

- 116. **CITRIC ACID** - FDA GRAS; FEMA GRAS; used in pasta, fats and oils, meats, vegetables, baked goods, candy, and snack foods.
- 117. **CITRONELLA OIL** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, alcoholic beverages.
- 118. **CITRONELLAL** - FDA approved food additive; FEMA GRAS; found in ginger, tomato, pepper, cocoa, and mango; used in beverages, baked goods, puddings, frozen dairy desserts, and citrus flavors.
- 119. **CITRONELLOL AND CITRONELLOL, DL** - FDA approved food additives; FEMA GRAS; found in apple, orange juice, blueberry, black currants, mango and guava; used in baked goods, frozen dairy desserts, chewing gum, beverages, and candy.
- 120. **CITRONELLYL ACETATE** - FDA approved food additive; FEMA GRAS; found in orange juice, ginger, tarragon, and apricot; used in baked goods, frozen dairy desserts, candy, beverages, chewing gum, and fruit flavors.
- 121. **CITRONELLYL FORMATE** - FDA approved food additive; FEMA GRAS; found in cucumber, plum, and orange; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and beverages.
- 122. **CITRONELLYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, soft candy, beverages, and hard candy.
- 123. **CITRONELLYL PROPIONATE** - FDA approved food additive; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and beverages.
- 124. **CLARY SAGE OIL** - FDA GRAS; FEMA GRAS; used in baked goods, alcoholic beverages, and condiments.
- 125. **CLOVE BUD OIL AND CLOVE LEAF OIL** - FDA GRAS; FEMA GRAS; used in condiments, candy, frozen dairy desserts, meat products, and snack foods.
- 126. **COCOA EXTRACT, COCOA NIB EXTRACTIVES, COCOA POWDER, COCOA SHELL TINCTURE, COCOA SHELLS (GROUND), AND COCOA SHELLS (POWDERED)** - FDA GRAS; used in cocoa, baked goods, confections, frozen dairy desserts, and beverages.
- 127. **COFFEE ESSENCE, COFFEE POWDER, COFFEE (SOLID EXTRACT) AND COFFEE (SPRAY DRIED)** - FDA GRAS; common food items; used in baked goods, frozen dairy desserts, and candy.

- 128. **COGNAC OIL, GREEN AND WHITE**- FDA GRAS; FEMA GRAS; used in liquors, beverages, baked goods, gums, condiments, and puddings.
- 129. **CORIANDER OIL** - FDA GRAS; FEMA GRAS; used in pastries, candy, liquors, and baked goods.
- 130. **CORN SILK** - FDA GRAS; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, and soft candy.
- 131. **CORN SYRUP AND CORN SYRUP SOLIDS** - FDA GRAS; used in baked goods, breakfast cereals, beverages, candy, and sauces.
- 132. **COSTUS ROOT OIL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, beverages, gelatin, puddings, and candy.
- 133. **CUBEB OIL** - FDA approved food additive; FEMA GRAS; used in baked goods, condiments, frozen dairy desserts, and meat products.
- 134. **CURRENT BUDS, BLACK, ABSOLUTE** - FDA approved food additive; FEMA GRAS; used in candy, puddings, beverages, and gelatin.
- 135. **CYCLOHEXANEETHYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and beverages.
- 136. **CYMENE, P-** - FDA approved food additive; FEMA GRAS; found in apricot, orange juice, lemon juice, grapefruit juice, and ginger; used in chewing gum.
- 137. **CYSTEINE MONOHYDROCHLORIDE, L-** - FDA GRAS; used in seasonings and flavorings, baked goods and beverages.
- 138. **DAMASCONE, BETA-** - FEMA GRAS; found in apple, apricot, sour cherry, black currants, raspberry and strawberry; used in baked goods, frozen dairy desserts, beverages, gelatin, puddings, and jellies.
- 139. **DANDELION ROOT, SOLID EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and beverages.
- 140. **DATE JUICE** - Common food item.
- 141. **DAVANA OIL** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, chewing gum, frozen dairy desserts, candy, and toppings.

142. **DECALACTONE, DELTA-** - FDA approved food additive; FEMA GRAS; found in apricot, butter, cheese; used in baked goods, milk, frozen dairy desserts, and candy.
143. **DECALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in apricot, sour cherry, orange juice, cranberry, melon, papaya, and peach; used in baked goods, beverages, candy, puddings, and frozen dairy desserts.
144. **DECANAL** - FDA GRAS; FEMA GRAS; found in apple, apricot, cherry, orange juice, and cranberry; used in fruit and water ices, candy, gelatin, puddings, baked goods, chewing gum, and beverages.
145. **DECANAL DIMETHYL ACETAL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, beverages, and citrus and other fruit flavors.
146. **DECANOIC ACID** - FDA approved food additive; FEMA GRAS; found in grapefruit juice, raspberry, cheddar cheese, swiss cheese, and butter; used in substitute dairy products.
147. **DENATURED ALCOHOL SDA #4, DENATURED RUM, AND DENATURED RUM, SDR #4** - alcohol prepared according to regulations of the Bureau of Alcohol, Tobacco, and Firearms for use in tobacco products; used as flavor carriers.
148. **DEXTRIN** - FDA GRAS; used in baked goods and candy.
149. **DEXTROSE (GLUCOSE)** - FDA GRAS; used in fruits and juices, meat products, seasonings, and nut products.
150. **DIACETYL** - FDA GRAS; FEMA GRAS; found in apple, orange juice, cranberry, peach, and pear; used in fats and oils, candy, and chewing gum.
151. **DIETHYL MALONATE** - FDA approved food additive; FEMA GRAS; found in pineapple, blackberry, red and white wine; used in baked goods, frozen dairy desserts, gelatin, puddings, chewing gum, and alcoholic beverages.
152. **DIETHYL SEBACATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, and chewing gum.

153. **DIETHYL SUCCINATE** - FDA approved food additive; FEMA GRAS; found in apple, pineapple, blackberry, and vinegar; used in beverages, frozen dairy desserts, candy, and baked goods.
154. **DIHYDRO-BETA-IONONE** - FEMA GRAS; found in apricot, raspberry, blackberry, and passion fruit; used in baked goods, frozen dairy desserts, jams, and jellies.
155. **DILL OIL** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, puddings, chewing gum, cheese, sauces, and meat products.
156. **DIMETHOXYBENZENE, META-** - FDA approved food additive; FEMA GRAS; found in cheese and cognac; used in beverages, frozen dairy desserts, baked goods, and candy.
157. **DIMETHOXYBENZENE, P-** - FDA approved food additive; FEMA GRAS; found in papaya, green tea, and shrimp; used in baked goods, beverages, frozen dairy desserts, and gelatin.
158. **DIMETHYL DISULFIDE** - FDA approved food additive; FEMA GRAS; found in sour cherry, black currants, melon, peach and pineapple; used in cheese, poultry and meat flavors, and soups.
159. **DIMETHYL POLYSILOXANE** - FDA approved food additive; used in breakfast cereals, fats and oils, cheese, and meat products.
160. **DIMETHYL SUCCINATE** - FDA approved food additive; FEMA GRAS; found in filberts; used in frozen dairy desserts, puddings, beverages, and candy.
161. **DIMETHYL SULFIDE** - FDA approved food additive; FEMA GRAS; found in coffee, butter, cheese, cocoa, and onions; used in baked goods, fats and oils, meat products, gelatin, puddings, and beverages.
162. **DIMETHYL TRISULFIDE** - FEMA GRAS; found in onion, garlic, chicken, guava, pineapple, and cabbage; used in baked goods, meat products, relish, soups, gravy, and vegetable flavors.
163. **DIMETHYL-1-OCTANOL, 3,7-** - FDA approved food additive; FEMA GRAS; used in baked goods and citrus and fruit flavors.
164. **DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE, 4,5-** - FEMA GRAS; used in baked goods, meat products, soups, fats and oils, condiments, and sauces.

- 165. **DIMETHYL-5-HEPTENAL, 2,6-** - FDA approved food additive; FEMA GRAS; found in melon, cucumber, and tropical fruit; used in beverages, baked goods, frozen dairy desserts, puddings, candy, and chewing gum.
- 166. **DIMETHYLPHENETHYL ACETATE, ALPHA, ALPHA-** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, and chewing gum.
- 167. **DIMETHYLPHENETHYL BUTYRATE, ALPHA, ALPHA-** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, and candy.
- 168. **DIMETHYLPYRAZINE, 2,3-** - FEMA GRAS; found in papaya, asparagus, garlic, bell pepper, and bread; used in baked goods, milk products, frostings, beverages, and puddings.
- 169. **DIMETHYLPYRAZINE, 2,5-** - FEMA GRAS; found in asparagus, potato, bread and cheese; used in baked goods, frozen dairy desserts, sauces, and toppings.
- 170. **DISODIUM GUANYLATE** - FDA approved food additive; FEMA GRAS; used in grain, meat, poultry and fish products, and condiments.
- 171. **DODECALACTONE, DELTA** - FDA approved food additive; FEMA GRAS; used in baked goods, meat products, and candy.
- 172. **DODECALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in peach, strawberry, butter and coconut; used in baked goods, beverages, frozen dairy desserts, and candy.
- 173. **ELDER FLOWERS ABSOLUTE** - FDA GRAS; used in candy, baked goods, gelatin, puddings, and alcoholic beverages.
- 174. **ENOCIANINA POWDER (GRAPE SKIN EXTRACT)** - FDA approved color additive; used in non-alcoholic and alcoholic beverages and dry beverage bases.
- 175. **ESTRAGOLE** - FDA approved food additive; FEMA GRAS; found in apple, orange juice, anise, cinnamon, and mustard; used in baked goods, fruit and water ices, candy, and beverages.
- 176. **ETHOXYBENZALDEHYDE, P-** - FDA approved food additive; FEMA GRAS; found in black tea; used in baked goods, frozen dairy desserts, sauces, and beverages.

177. **ETHYL 3-PHENYLGLYCIDATE** - FDA approved food additive; FEMA GRAS; used in beverages, baked goods, frozen dairy desserts, candy, and condiments.
178. **ETHYL ACETATE** - FDA GRAS; FEMA GRAS; found in tomato, chicken, raspberry, strawberry, butter, and yogurt; used in baked goods, breakfast cereals, frozen dairy desserts, puddings, chewing gum, condiments, candy, and jams.
179. **ETHYL ACETOACETATE** - FDA approved food additive; FEMA GRAS; found in strawberry, coffee, and passion fruit; used in baked goods, breakfast cereals, milk, candy, jams and jellies.
180. **ETHYL ALCOHOL** - FDA GRAS; FEMA GRAS; used in beverages, maple syrup, condiments, candy, frozen dairy desserts, baked goods, and dairy products.
181. **ETHYL ANTHRANILATE** - FDA approved food additive; FEMA GRAS; found in orange juice; used in baked goods, candy, chewing gum, and fruit flavors.
182. **ETHYL BENZOATE** - FDA approved food additive; FEMA GRAS; found in apple; used in beverages, frozen dairy desserts, candy, and puddings.
183. **ETHYL BUTYRATE** - FDA GRAS; FEMA GRAS; found in melon, strawberry, chicken, grape, guava, apple, and apple juice; used in beverages, baked goods, frozen dairy desserts, candy, puddings, and chewing gum.
184. **ETHYL CINNAMATE** - FDA approved food additive; FEMA GRAS; found in apple juice, guava, grape, strawberry, papaya, cocoa, and mango; used in baked goods, beverages, frozen dairy desserts, and candy.
185. **ETHYL DECANOATE** - FDA approved food additive; FEMA GRAS; found in apple juice, guava, grape, strawberry, papaya, cocoa, and mango; used in frozen dairy desserts and candy.
186. **ETHYL FORMATE** - FDA GRAS; FEMA GRAS; found in pineapple, raspberry, cabbage, vinegar, beer, and wine; used in baked goods, alcoholic and non-alcoholic beverages, fruits, and juices.
187. **ETHYL HEPTANOATE** - FDA approved food additive; FEMA GRAS; found in apple, banana, pineapple, strawberry, and peas; used in candy, alcoholic and non-alcoholic beverages, baked goods, puddings, and chewing gum.

188. **ETHYL HEXANOATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, frozen dairy desserts, puddings, and beverages.
189. **ETHYL ISOBUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple juice, orange juice, melon, raspberry, and strawberry; used in baked goods, milk products, candy, and beverages.
190. **ETHYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; found in pineapple, strawberry, mango, papaya, and apple juice; used in baked goods, beverages, candy, chewing gum, frozen dairy desserts, and condiments.
191. **ETHYL LACTATE** - FDA approved food additive; FEMA GRAS; used in baked goods, dairy, meat, candy, beverages, and chewing gum.
192. **ETHYL LAURATE** - FDA approved food additive; FEMA GRAS; found in apple, apricot, orange juice, guava, melon, and pear; used in baked goods, alcoholic beverages, puddings, frozen dairy desserts, and candy.
193. **ETHYL LEVULINATE** - FDA approved food additive; FEMA GRAS; found in onion, bread, white wine, and cocoa; used in baked goods, frozen dairy desserts, beverages, and candy.
194. **ETHYL MALTOL** - FDA approved food additive; FEMA GRAS; used in baked goods, breakfast cereals, milk products, and candy.
195. **ETHYL MYRISTATE** - FDA approved food additive; FEMA GRAS; found in apricot, guava, pear, pineapple, blackberry, and bell pepper; used in beverages, frozen dairy desserts, baked goods, and candy.
196. **ETHYL NONANOATE** - FDA approved food additive; FEMA GRAS; found in apple, banana, pineapple, bread, beef and beer; used in baked goods, frozen dairy desserts, beverages, and candy.
197. **ETHYL OCTADECANOATE** - FEMA GRAS; found in grapefruit juice, guava, pineapple, and mustard; used in frozen dairy desserts, candy, and beverages.
198. **ETHYL OCTANOATE** - FDA approved food additive; FEMA GRAS; found in apple, banana, orange juice, and guava; used in baked goods, milk, cheese, candy, puddings, and beverages.
199. **ETHYL PALMITATE** - FEMA GRAS; used in nut products.

200. **ETHYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; found in apple juice, grapefruit juice, guava, melon, and papaya; used in baked goods, puddings, and syrups.
201. **ETHYL PROPIONATE** - FDA approved food additive; FEMA GRAS; found in strawberry, tomato, beer, apple juice, and guava; used in baked goods, beverages, candy, meat products, and frozen dairy desserts.
202. **ETHYL SALICYLATE** - FDA approved food additive; FEMA GRAS; found in concord grapes, raspberry, and papaya; used in baked goods, frozen dairy desserts, and chewing gum.
203. **ETHYL UNDECANOATE** - FDA approved food additive; found in bread, butter, white wine, and prickly pear; used in reconstituted vegetable protein, gravies, and sauces.
204. **ETHYL VALERATE** - FDA approved food additive; FEMA GRAS; found in apple juice, guava, rum, wine, kiwifruit, and papaya; used in baked goods, frozen dairy desserts, gelatin, puddings, chewing gum, and beverages.
205. **ETHYL VANILLIN** - FDA GRAS; FEMA GRAS; used in alcoholic beverages, frosting, topping, baked goods, frozen dairy desserts, puddings, candy, and breakfast cereals.
206. **ETHYL-2-METHYLBUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple juice, grape, strawberry, peas, melon, cheese, and papaya; used in baked goods, candy, puddings, jams and jellies, and sauces.
207. **ETHYL-2-METHYLPYRAZINE, 3-** - FEMA GRAS; found in fried potato, bread, egg, chicken, and beet; used in baked goods, meat products, candy, gelatin, puddings, beverages, and frozen dairy desserts.
208. **ETHYL-3,(5 OR 6)-DIMETHYLPYRAZINE, 2-** - FEMA GRAS; used in baked goods, breakfast cereals, and candy.
209. **ETHYL-3-HYDROXY-4-METHYL-2(5H)FURANONE, 5-** - FEMA GRAS; used in baked goods, frozen dairy desserts, fruits and juices.
210. **ETHYLENE BRASSYLATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, soft candy, gelatin, and puddings.
211. **ETHYLMETHYLPHENYLGLYCIDATE** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, milk, and vegetable juices.

- 212. **EUCALYPTOL** - FDA approved food additive; FEMA GRAS; found in grapefruit juice, cranberry, black currants, cinnamon, and clove; used in baked goods, frozen dairy desserts, and chewing gum.
- 213. **EUGENOL** - FDA GRAS; FEMA GRAS; found in apple, apricot, banana, cinnamon, clove, and tarragon; used in condiments, meats, chewing gum, sugar, and smoke flavors.
- 214. **EUGENYL ACETATE** - FDA approved food additive; FEMA GRAS; found in cinnamon, cloves, and basil; used in chewing gum, spice and fruit flavors, brown sugar, and rum flavor.
- 215. **EUGENYL METHYL ETHER** - FDA approved food additive; FEMA GRAS; found in apple, banana, orange juice, nutmeg, pepper, mace, and basil; used in baked goods, frozen dairy desserts, condiments, candy, chewing gum.
- 216. **FD&C RED NO. 40 AND FD&C RED NO. 40 (ALUMINUM LAKE)** - FDA approved color additive; used in baked goods, breakfast cereals, fruits, juices, beverages and puddings.
- 217. **FD&C YELLOW NO. 5** - FDA approved color additive; used in baked goods, breakfast cereals, pasta, cheese, and meat products.
- 218. **FD&C YELLOW NO. 6** - FDA approved color additive; used in baked goods, breakfast cereals, pasta, cheese, and meat products.
- 219. **FENUGREEK EXTRACT AND FENUGREEK SEED, SOLID EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, meats, candy, condiments, syrups, and puddings.
- 220. **FIGS, FIG JUICE AND FIG CONCENTRATE** - Common food items.
- 221. **FOOD STARCH-MODIFIED** - FDA approved food additive; used in baked goods, grain products, cheese, and frozen dairy desserts.
- 222. **FRUCTOSE** - Natural sugar found in honey and fruit.
- 223. **FURFURAL** - FEMA GRAS; found in apple juice, orange juice, cranberry, cinnamon, mustard, bread, honey, and soybean; used in baked goods, beverages, soups, popcorn, tea and potato flavors.
- 224. **FURFURYL MERCAPTAN** - FEMA GRAS; found in chicken, beef, pork, and coffee; used in baked goods, gelatin, and puddings.

225. **FUSEL OIL, REFINED** - FDA approved food additive; FEMA GRAS; used in alcoholic beverages and fruit flavors.
226. **GELATIN** - FDA GRAS; used in frostings and beverages.
227. **GENET ABSOLUTE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, and candy.
228. **GERANIOL** - FDA GRAS; FEMA GRAS; found in apple, apricot, beer, black currants, cinnamon, dill, ginger, grape, cocoa, honey, lime, and orange; used in baked goods, frozen dairy desserts, and candy.
229. **GERANIUM OIL AND GERANIUM OIL (EAST INDIAN)** - FDA GRAS; FEMA GRAS; used in candy, jelly, baked goods, frozen dairy desserts, and beverages.
230. **GERANIUM ROSE OIL** - FDA GRAS; FEMA GRAS; used in baked goods, jelly, candy, beverages, frozen dairy desserts, and chewing gum.
231. **GERANYL ACETATE** - FDA GRAS; FEMA GRAS; found in grape, lemon oil, nutmeg, orange juice, and tomato; used in baked goods, frozen dairy desserts, and syrups.
232. **GERANYL BUTYRATE** - FDA approved food additive; FEMA GRAS; used in gelatins, puddings, frozen dairy desserts, and candy.
233. **GERANYL FORMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
234. **GERANYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in kumquat, passion fruit, and pawpaw; used in baked goods, beverages, candy, frozen dairy desserts, apple, pineapple, peach, pear and mixed fruit flavors.
235. **GERANYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; used in baked goods, non-alcoholic beverages, and frozen dairy desserts.
236. **GERANYL PROPIONATE** - FDA approved food additive; FEMA GRAS; found in cardamon, shrimp, and lemon peel oil; used in baked goods, beverages, candy, apple, apricot, pineapple, honey flavors.
237. **GINGER OIL AND GINGER, GROUND** - FDA approved food additive; FEMA GRAS; Common food items; used in baked goods, meats, and candy.

- 238. **GLUCONO-DELTA-LACTONE** - FDA GRAS; used in baked goods, milk products, cheese, sherbets, processed fruits and juices, and meat products.
- 239. **GLYCERIN** - FDA GRAS; FEMA GRAS; used in meats, toppings, baked goods, frozen dairy desserts, and alcoholic beverages.
- 240. **GLYCERYL MONOSTEARATE** - FDA GRAS; FEMA GRAS; used in pasta, baby food, cereals, cheese, and candy.
- 241. **GLYCYRRHIZIN, AMMONIATED** - FDA GRAS; FEMA GRAS; used in baked goods, beverages, candy, and seasonings.
- 242. **GRAPE JUICE** - Common food item.
- 243. **GUAIACOL** - FDA approved food additive; FEMA GRAS; found in asparagus, cheese, beer, cinnamon, coffee, passion fruit, peanut, and popcorn; used in baked goods, dairy and meat products, and frozen dairy desserts.
- 244. **GUAIACWOOD OIL** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, meat products, and chewing gum.
- 245. **GUAIACYL PHENYLACETATE** - FDA approved food additive; used in honey, vanilla, and smoke flavors.
- 246. **GUAR GUM** - FDA GRAS; FEMA GRAS; used in baked goods, cheese, and breakfast cereals.
- 247. **HELIOTROPIN** - FDA GRAS; FEMA GRAS; found in pepper, dill, chicken, and vanilla; used in baked goods, candy, frostings, and chewing gum.
- 248. **HEPTALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in strawberry, asparagus, beef, beer, and green tea; used in baked goods, beverages, frozen dairy desserts, and candy.
- 249. **HEPTANAL** - FDA approved food additive; FEMA GRAS; found in apple, apricot, and orange juice; used in dairy products, meat products, nut and fish flavors.
- 250. **HEPTANEDIONE, 2,3-** - FDA approved food additive; FEMA GRAS; found in tomato, beer, soybean, and mushroom; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, hard candy and butter, cheese, caramel, fruit, and nut flavors.

251. **HEPTANOIC ACID** - FEMA GRAS; found in apple, banana, grape, strawberry, potato, tomato; used in baked goods, fats and oils, candy, frostings, beverages, and chewing gum.
252. **HEXADECENLACTONE, OMEGA-6-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
253. **HEXALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in apple juice, raspberry, strawberry, asparagus, beer, and mango; used in baked goods, candy, puddings, beverages, and soups.
254. **HEXANAL** - FDA approved food additive; FEMA GRAS; found in apple juice, cucumber, carrot, pear, raspberry, and strawberry; used in baked goods, fats and oils, candy, sauces, and chewing gum.
255. **HEXANEDIONE, 2,3-** - FDA approved food additive; FEMA GRAS; found in butter, caramel, cheese, milk; used in frozen dairy desserts, soft candy, gelatin, puddings, beverages, hard candy, and baked goods.
256. **HEXANOIC ACID** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, candy, and condiments.
257. **HEXEN-1-OL, 2-** - FDA approved food additive; FEMA GRAS; found in apple, asparagus, beer, beef, grape, potato, and soybean; used in non-alcoholic beverages, baked goods, gelatin, and puddings.
258. **HEXEN-1-OL, 3-** - FDA approved food additive; FEMA GRAS; found in apple, guava, raspberry, celery, peas, papaya, and cranberry juice; used in baked goods, frozen dairy desserts, candy, and chewing gum.
259. **HEXEN-1-OL, CIS-3-** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, and orange juice; used in fruit flavors.
260. **HEXEN-1-YL ACETATE, CIS-3-** - FEMA GRAS; used in beverages, frozen dairy desserts, candy, and baked goods.
261. **HEXEN-1-YL ACETATE, TRANS-2-** - FDA approved food additive; found in apple, apple juice, mango, and strawberry; used in apple, banana, grape, peach and other fruit flavors.
262. **HEXEN-2-AL** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, cherry, and orange juice; used in fruit and vegetable flavors, fish and tea flavors.

263. **HEXENAL, 2-** - FDA approved food additive; FEMA GRAS; found in apple, asparagus, beef, beer, grape, butter, cabbage, fish, pear, and peas; used in baked goods, frozen dairy desserts, and candy.
264. **HEXENAL, CIS-3-** - FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and beverages.
265. **HEXENYL FORMATE, CIS-3-** - FEMA GRAS; used in baked goods, chewing gum, jams and jellies.
266. **HEXENYL LACTATE, CIS-3-** - FEMA GRAS; used in baked goods, dairy, jams and jellies, beverages, and candy.
267. **HEXYL ACETATE** - FDA approved food additive; FEMA GRAS; found in apple juice, apple, banana, melon, peach, raspberry, black tea, and papaya; used in baked goods, meat products, and candy.
268. **HEXYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in butter, chicken, asparagus, peas, orange juice, raspberry, cabbage, and tomato; used in baked goods, dairy products, gelatin, and puddings.
269. **HEXYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple, banana, guava, strawberry, thyme, starfruit, and mango; used in baked goods, frozen dairy desserts, candy, beverages, chewing gum and fruit and nut flavors.
270. **HEXYL FORMATE** - FDA approved food additive; FEMA GRAS; found in apple juice and strawberry; used in baked goods, frozen dairy desserts, soft candy, beverages, hard candy, and berry, cherry, peach, apricot, plum, raisin, and prune flavors.
271. **HICKORY SMOKE, NATURAL** - GRAS; used in meat products and sauces.
272. **HIGH FRUCTOSE CORN SYRUP** - FDA GRAS; common food item.
273. **HONEY** - Common food item.
274. **HOPS OIL** - FDA GRAS; FEMA GRAS; used in baked goods, chewing gum, and puddings.
275. **HYDROCHLORIC ACID** - FDA GRAS; used in baked goods, fruits and juices, and beverages.

276. **HYDROGENATED STARCH HYDROLYSATE** - GRAS; common food item (sweetener) derived from corn, wheat or potato.
277. **HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE, 4-** - FEMA GRAS; found in almonds, beef, coffee, filberts, grape, malt, mango, popcorn, and strawberry; used in baked goods, fats and oils, puddings, beverages, and chewing gum.
278. **HYDROXY-3,5,5-TRIMETHYL-2-CYCLOHEXENONE, 2-** - FEMA GRAS; used in beverages, instant coffee/tea, frozen dairy desserts and candy.
279. **HYDROXYCITRONELLAL** - FDA approved food additive; FEMA GRAS; used in baked goods, ices, candy, frostings, and beverages.
280. **HYDROXYCITRONELLAL DIMETHYL ACETAL** - FDA approved food additive; FEMA GRAS; used baked goods, frozen dairy desserts, candy, beverages, chewing gum and in fruit flavors (melon and citrus).
281. **HYDROXYPHENYL-2-BUTANONE, 4-P-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and chewing gum.
282. **HYDROXYPROPYLMETHYLCELLULOSE** - FDA approved food additive; used in baked goods, dairy product analogs, and dietary supplements.
283. **IMMORTELE EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, puddings, and candy.
284. **INDOLE** - FDA approved food additive; FEMA GRAS; used in baked goods, butter, cheese, coffee, and alcoholic beverages.
285. **INVERT SUGAR** - FDA GRAS; used in baked goods, frozen dairy desserts, and beverages.
286. **IONONE, IONONE (ALPHA) AND IONONE (BETA)** - FDA approved food additive; FEMA GRAS; found in almonds, currants, oranges, peas, raspberry, tea, thyme, mango, milk, and mint; used in baked goods, frozen dairy desserts, candy, fruit flavors, tea, and beverages.
287. **IRONE, ALPHA-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, puddings, and beverages.
288. **ISOAMYL ACETATE** - FDA approved food additive; FEMA GRAS; found in apple, muscat grape, vinegar, and soybean; used in baked goods, beverages, candy, puddings, frozen dairy desserts, and chewing gum.

289. **ISOAMYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apple, banana, orange juice, cranberry juice, cabbage, and vinegar; used in beverages, frozen dairy desserts, candy, baked goods, and alcoholic beverages.
290. **ISOAMYL BUTYRATE** - FDA approved food additive; FEMA GRAS; used in candy, jams and jellies, frozen dairy desserts, baked goods, sauces, pudding, and beverages.
291. **ISOAMYL FORMATE** - FDA approved food additive; FEMA GRAS; used in baked goods and candy.
292. **ISOAMYL HEXANOATE** - FDA approved food additive; FEMA GRAS; used in baked goods, fats and oils, frozen dairy desserts, gelatin, puddings, beverages, candy, and chewing gum.
293. **ISOAMYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; used in cakes, crackers, yogurt, candy, beverages, and chewing gum.
294. **ISOAMYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, fruits, juices, candy, puddings and toppings.
295. **ISOAMYL PROPIONATE** - FDA approved food additive; FEMA GRAS; used in dry drink mixes, fruit drinks, and carbonated beverages.
296. **ISOAMYL SALICYLATE** - FDA approved food additive; FEMA GRAS; found in grape, muscat grape, and black tea; used in candy, puddings, baked goods, frozen dairy desserts, beverages, and gelatin.
297. **ISOBUTYL ACETATE** - FDA approved food additive; FEMA GRAS; found in apple juice, melon, and vinegar; used in baked goods, fats and oils, fruits, frosting, frozen dairy desserts, candy, puddings, gelatin, chewing gum, juices, jams, and jellies.
298. **ISOBUTYL ALCOHOL** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, jams and jellies, beverages, and chewing gum.
299. **ISOBUTYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, honey and olive; used in fruit flavors, liqueur, and wine flavors.
300. **ISOBUTYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, cheese, beer, cider, and sherry; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and chewing gum.

301. **ISOBUTYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, puddings, beverages, frozen dairy desserts, and candy.
302. **ISOBUTYRALDEHYDE** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, puddings, and candy.
303. **ISOBUTYRIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, chewing gum, candy, gelatin, and puddings.
304. **ISOEUGENOL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products.
305. **ISOEUGENYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, and candy.
306. **ISOEUGENYL BENZYL ETHER** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and spice and banana flavors.
307. **ISOEUGENYL METHYL ETHER** - FDA approved food additive; FEMA GRAS; used in baked goods, meats, condiments, beverages, and candy.
308. **ISOPROPYL-4-METHYLTHIAZOLE, 2-** - FEMA GRAS; used in soft candy, frosting, jam and jelly, sweet sauce, gelatin, puddings, hard candy, and chewing gum.
309. **ISOVALERIC ACID** - FDA approved food additive; FEMA GRAS; found in black currants, guava, papaya, bread, cheese, yogurt, milk, raspberry, and mushroom; used in cakes, pies, bread, pasta, yogurt, jams, and jellies.
310. **JASMINE ABSOLUTE AND JASMINE OIL** - FDA GRAS; FEMA GRAS; used in baked goods, candy, chewing gum.
311. **KOLA NUT EXTRACT** - FDA GRAS; FEMA GRAS; used in fruit and water ices, candy, and gelatin.
312. **LABDANUM OLEORESIN** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, gelatin, and puddings.
313. **LACTIC ACID AND LACTIC ACID, DL** - FDA GRAS; FEMA GRAS; used in alcoholic beverages, baked goods, puddings, snacks.

- 314. **LAURIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, condiments, relish, and candy.
- 315. **LAURIC ALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods, chewing gum, and candy.
- 316. **LAURYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in guava, butter, chicken, and cocoa; used in baked goods, frozen dairy desserts, meat products, candy, gelatin, puddings, and chewing gum.
- 317. **LAVENDER FLOWER OIL** - FDA GRAS; FEMA GRAS; used in baked goods, candy, and puddings.
- 318. **LEMON OIL, LEMON OIL (DISTILLED) AND LEMON OIL (TERPENES)** - FDA GRAS; FEMA GRAS; used in candy, cough drops, chewing gum, and breakfast cereals.
- 319. **LEVULINIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, fats and oils, cheese, candy, puddings, and beverages.
- 320. **LICORICE EXTRACT AND LICORICE ROOT** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, beverages.
- 321. **LIME OIL, DISTILLED** - FDA GRAS; used in candy, dietetic products, and condiments, baked goods, beverages, chewing gum.
- 322. **LIMONENE, D-** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, soft candy, baked goods, candy, condiments, and beverages.
- 323. **LINALOOL** - FDA GRAS; FEMA GRAS; found in apple, apple juice, beans, banana, blackberry, blueberry, butter, carrot, and cheese; used in meat products, baked goods, frozen dairy desserts, condiments, candy, gelatin, puddings, beverages, and chewing gum.
- 324. **LINALYL ACETATE** - FDA GRAS; FEMA GRAS; found in black currants, cardamon, celery, cocoa, grapefruit, and honey; used in baked goods, dairy products, beverages, and candy.
- 325. **LINALYL FORMATE** - FDA approved food additive; FEMA GRAS; found in sour cherry; used in baked goods, frozen dairy desserts, and fruit flavors.

326. **LINALYL ISOBUTYRATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairydesserts, candy, gelatin, puddings, and beverages.
327. **LOCUST (CAROB) BEAN GUM** - FDA GRAS; FEMA GRAS; used in baked goods, pasta, cheese, fruits and juices, jams, and jellies.
328. **LOVAGE EXTRACT, LOVAGE OIL AND LOVAGE ROOT** - FDA approved food additives; FEMA GRAS; used in alcoholic beverages, baked goods, chesse, meat products, and frozen dairy desserts.
329. **LYSINE, L-** - FDA approved food additive; used in breakfast cereals, dietary supplements, and meat products.
330. **MACE POWDER EXTRACT** - FDA GRAS; FEMA GRAS; used in meats, meat products, baked goods, condiments, snack foods, and frozen dairy desserts.
331. **MALIC ACID** - FDA GRAS; FEMA GRAS; used in baked goods, cereals, meat, poultry, and fish products.
332. **MALT EXTRACT, DRIED MALT EXTRACT AND MALT SYRUP** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, condiments, milk products, candy, jams and jellies.
333. **MALTODEXTRIN** - FDA GRAS; used in baked goods, frozen dairy desserts, and candy.
334. **MALTOL** - FDA approved food additive; FEMA GRAS; found in bonito, coffee, milk, soybean, strawberry, and peanut; used in baked goods, frozen dairy desserts, and jelly.
335. **MALTYL ISOBUTYRATE** - FEMA GRAS; used in baked goods, gelatin, puddings, jams, and jellies.
336. **MANDARIN OIL** - FDA GRAS; FEMA GRAS; used in hard candies, gum type candies, and carbonated fruit beverages.
337. **MAPLE BARK EXTRACT** - FDA approved food additive; used in non-alcoholic beverages, frozen dairy desserts, candy and baked goods.
338. **MARJORAM OIL (SPANISH) AND MARJORAM (SWEET)** - FDA GRAS; FEMA GRAS; used in poultry and meat seasonings, soup, sauces, alcoholic beverages.

339. **MATE, SOLID EXTRACT** - FDA GRAS; used in baked goods, milk products, cheese, sauces, and beverages.
340. **MENTHA ARVENSIS OIL** - GRAS; used in candy and chewing gum.
341. **MENTHA-1,4-DIENE, P-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, and chewing gum.
342. **MENTHA-8-THIOL-3-ONE, P-** - FEMA GRAS; used in baked goods, frozen dairy desserts, gelatin, puddings, and candy.
343. **NATURAL MENTHOL, MENTHOL, DL, AND MENTHOL, L - -** FDA approved food additive; used in baked goods, beverages, frozen dairy desserts, chewing gum, and puddings.
344. **MENTHYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, beverages, and candy.
345. **METHOXYBENZALDEHYDE, P-** - FDA approved food additive; FEMA GRAS; found in anise, apricot, cranberry, tomato, vanilla, and basil; used in baked goods, frozen dairy desserts, candy, and beverages.
346. **METHOXYCINNAMALDEHYDE, O-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and beverages.
347. **METHOXYPHENYL-2-BUTANONE, 4-P-** - FDA approved food additive; FEMA GRAS; used in baked goods, milk products, candy, sauces, and beverages.
348. **METHOXYPHENYL-2-PROPANONE, 1-P-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, and puddings.
349. **METHYL 2-FUROATE** - FEMA GRAS; used in baked goods, non-alcoholic beverages, candy, gelatin, puddings, and frozen dairy desserts.
350. **METHYL 2-NONYNOATE** - FDA approved food additive; FEMA GRAS; used in condiments, baked goods, frozen dairy desserts, candy, gelatin, puddings, and beverages.

351. **METHYL 2-OCTYNOATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, gelatin, and puddings.
352. **METHYL 2-PYRROLYL KETONE** - FEMA GRAS; used in baked goods, meat products, gelatin, puddings, and candy.
353. **METHYL 3-METHYLTHIOPROPIONATE** - FDA approved food additive; FEMA GRAS; found in melon, pineapple, and white wine; used in meat products, soups, and fruit flavors.
354. **METHYL ACETATE** - FDA approved food additive; FEMA GRAS; found in apple, banana, cherry, black currants, and guava; used in baked goods, breakfast cereals, frozen dairy desserts, soft candy, gelatin, puddings, and beverages.
355. **METHYL ANTHRANILATE** - FDA GRAS; FEMA GRAS; used in candy, baked goods, frozen dairy desserts, alcoholic beverages, cough drops, and non-alcoholic beverages.
356. **METHYL BENZOATE** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, candy, and chewing gum.
357. **METHYL BENZYL ACETATE, ALPHA-** - FDA approved food additive; FEMA GRAS; used in carbonated fruit beverages and chewing gum.
358. **METHYL BENZYL ALCOHOL, ALPHA-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and chewing gum.
359. **METHYL BETA-NAPHTHYL KETONE** - FDA approved food additive; FEMA GRAS; found in grilled beef; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and chewing gum.
360. **METHYL BUTYRATE** - FDA approved food additive; FEMA GRAS; found in apple, apricot, orange juice, guava, and fig; used in baked goods, frozen dairy desserts, meat products, and chewing gum.
361. **METHYL CELLULOSE** - FDA GRAS; FEMA GRAS; used in baked goods, meat and poultry products, beverages, and chewing gum.
362. **METHYL CINNAMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, gelatin, and puddings.

363. **METHYL HEXANOATE** - FDA approved food additive; FEMA GRAS; found in quince, licorice, apple, apricot, and nectarine; used in frozen dairy desserts, baked goods, candy, dairy and fruit flavors.
364. **METHYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; found in green tea, peach, pineapple; used in baked goods, frozen dairy desserts, chewing gum, and candy.
365. **METHYL N-METHYLANTHRANILATE** - FDA approved food additive; FEMA GRAS; found in grapefruit, orange, and mandarin peel oil; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, beverages, and chewing gum.
366. **METHYL OCTANOATE** - FDA approved food additive; FEMA GRAS; found in apple, apricot, and orange juice; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and beverages.
367. **METHYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, and syrups.
368. **METHYL PYRAZINE, 2-** - FEMA GRAS; used in baked goods, condiments, puddings, beverages, and chewing gum.
369. **METHYL SALICYLATE** - FEMA GRAS; found in guava, peach, strawberry, clove, tomato, bell pepper, coffee, tea, and papaya; used in baked goods, frozen dairy desserts, syrups, and candy.
370. **METHYL-2,3-HEXANEDIONE, 5-** - FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, and puddings.
371. **METHYL-2-PENTANONE, 4-** - FDA approved food additive; FEMA GRAS; found in orange juice, papaya, baked potato, vinegar, and bread; used in baked goods, beverages, frozen dairy desserts, and fruit flavors.
372. **METHYL-2-PENTENOIC ACID, 2-** - FEMA GRAS; used in candy, sugar, frostings, jams and jellies, and spreads.
373. **METHYL-2-PHENYL-2-HEXENAL, 5-** - FEMA GRAS; used in chocolate, baked goods, frozen dairy desserts, soft candy, gelatin, puddings and beverages.
374. **METHYL-5-HEPTEN-2-ONE, 6-** - FDA approved food additive; FEMA GRAS; found in apple, carrot, orange juice, strawberry, and rice; used in baked goods, gravies, and candy.

375. **METHYL-5-THIAZOLEETHANOL, 4-** - FEMA GRAS; used in meat products, baked goods, frozen dairy desserts, condiments, soft candy, gelatin, and puddings.
376. **METHYL-ALPHA-IONONE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and puddings.
377. **METHYL-BETA-IONONE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, beverages, and candy.
378. **METHYL-GAMMA-IONONE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and beverages.
379. **METHYLACETOPHENONE, 4'-** - FDA approved food additive; FEMA GRAS; found in black currants, endive, mango, parsley, tomato, soybean, cheese; used in condiments, beverages, baked goods, frozen dairy desserts, and chewing gum.
380. **METHYLANISOLE, P-** - FDA approved food additive; FEMA GRAS; found in tomato and cheese; used in condiments, syrup, beverages, baked goods, frozen dairy desserts, nut, maple, and berry flavors.
381. **METHYLBUTYL ACETATE, 2-** - FEMA GRAS; used in baked goods, fruit ices, candy, non-alcoholic beverages, and chewing gum.
382. **METHYLBUTYRALDEHYDE, 3-** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, red currants, scallop, and squid; used in baked goods, frozen dairy desserts, meat products, candy, gelatin, and puddings.
383. **METHYLBUTYRIC ACID, 2-** - FDA approved food additive; FEMA GRAS; found in guava, cranberry juice, swiss cheese, raspberry, and cocoa; used in baked goods, fats and oils, beverages, and puddings.
384. **METHYLCYCLOPENTENOLONE** - FDA approved food additive; FEMA GRAS; found in almonds, barley, bread, cocoa, coffee, onion, and peanut; used in baked goods, topping, breakfast cereals, and candy.
385. **METHYLFURFURAL, 5-** - FEMA GRAS; used in baked goods, chocolate, coffee, and meat products.
386. **METHYLIONONE, GAMMA-ISO-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, chewing gum and berry flavors.

387. **METHYLPENTEN-2-AL, 2-** - FEMA GRAS; used in baked goods, candy, frostings, jellies, and puddings.
388. **METHYLPHENYL ACETATE, P-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, sweet sauces, gelatin, puddings, hard candy, syrups, and alcoholic beverages.
389. **MINERAL OIL** - FDA approved food additive; used in chewing gum, baked goods, candy, vinegar, and wine.
390. **MOLASSES, MOLASSES, BBT, MOLASSES, BLACK STRAP, MOLASSES, HIGH GRADE, MOLASSES, LEAFCOTE AND MOLASSES EXTRACT** - FDA GRAS; Common food items; used in snack foods, fats and oils, jams and jellies.
391. **MONO AND DIGLYCERIDES** - FDA GRAS; used in baked goods, chewing gum, frozen dairy desserts, soft candy, and fats and oils.
392. **MONOSODIUM GLUTAMATE** - FDA approved food additive; FEMA GRAS; common seasoning.
393. **MYRCENE** - FDA approved food additive; FEMA GRAS; found in carrot, celery, rosemary, thyme, and beer; used in baked goods, frozen dairy desserts, meat products, relish, soft candy, gelatin, puddings, beverages, and chewing gum..
394. **MYRISTALDEHYDE** - FDA approved food additive; FEMA GRAS; found in citrus fruits, butter, chicken, and papaya; used in baked goods, frozen dairy desserts, beverages, and gelatin.
395. **MYRISTIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, non-alcoholic beverages, and candy.
396. **NEROL** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, baked goods, hard candy, chewing gum, and non-alcoholic beverages.
397. **NEROLI BIGARDE OIL AND NEROLI OIL** - FDA GRAS; FEMA GRAS; used in baked goods, chewing gum, and candy.
398. **NEROLIDOL** - FDA approved food additive; FEMA GRAS; found in beer, ginger, grapefruit, lime, orange, rice, and strawberry; used in baked goods, non-alcoholic beverages, and frozen dairy desserts.

399. **NERYL ISOBUTYRATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, and puddings.
400. **NONALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in guava, asparagus, butter, beef, cocoa, mango, green tea, and papaya; used in baked goods, frosting, candy, and frozen dairy desserts.
401. **NONANAL** - FDA approved food additive; FEMA GRAS; found in orange juice, melon, carrot, bread, butter, chicken, peanut, and milk; used in baked goods, frozen dairy desserts, non-alcoholic beverages, candy, and chewing gum.
402. **NONANOIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, meat products, and candy.
403. **NONANONE, 2-** - FEMA GRAS; used in dairy products, baked goods, cheese, soft candy, snack foods, and condiments.
404. **NONENAL, 2-** - FEMA GRAS; used in meat products, baked goods, frozen dairy desserts, condiments, soft candy, gelatin, and puddings.
405. **NUTMEG OIL AND GROUND NUTMEG** - FDA GRAS; FEMA GRAS; used in baked goods, pasta, fruits, meats, vegetables, and sauces.
406. **OAK MOSS, ABSOLUTE** - FDA approved food additive; FEMA GRAS; used in meat products, condiments, soups, frozen dairy desserts, and candy.
407. **OCIMENE** - FDA approved food additive; FEMA GRAS; found in basil, sage, fennel, pepper, marjoram, and thyme; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and beverages
408. **OCTALACTONE, DELTA-** - FEMA GRAS; found in apricot, beef, butter, cheese, coconut, filberts, milk, papaya, nectarine, tomato, and yogurt; used in baked goods, salad oil, candy, margarine.
409. **OCTALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in guava, peach, raspberry, strawberry, asparagus, chicken, and mango; used in baked goods, frozen dairy desserts, and candy.
410. **OCTANAL** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, frozen dairy desserts, and candy.

- 411. **OCTANOIC ACID** - FDA GRAS; FEMA GRAS; found in grapefruit, guava, papaya, swiss cheese, milk, butter, and chicken; used in baked goods, snack foods, and candy.
- 412. **OCTEN-3-OL, 1-** - FDA approved food additive; FEMA GRAS; used in processed vegetables, baked goods, frozen dairy desserts, condiments, soft candy, gelatin, puddings, and soups.
- 413. **OCTENAL, 2-** - FEMA GRAS; used in baked goods, snacks, beverages, sauces, and seasonings.
- 414. **OCTYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, non-alcoholic beverages, and hard candy.
- 415. **OCTYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apple, apple juice, orange juice, grapefruit juice, asparagus, butter, and chicken; used in baked goods, frozen dairy desserts, meat products, soft candy, and chewing gum.
- 416. **OLIBANUM OIL** - FDA approved food additive; FEMA GRAS; used in baked goods, non-alcoholic beverages, and frozen dairy desserts.
- 417. **ORANGE BLOSSOMS, ABSOLUTE** - FDA GRAS; FEMA GRAS; used in baked goods, non-alcoholic beverages, and frozen dairy desserts.
- 418. **ORANGE JUICE** - Common food item.
- 419. **ORANGE OIL, DISTILLED ORANGE OIL, ORANGE TERPENES (DISTILLED SWEET ORANGE OIL) AND ORANGE OIL (TERPENELESS)** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, fruit and water ices, candy, and non-alcoholic beverages.
- 420. **ORANGE PEEL OIL, BITTER AND SWEET AND ORANGE PEEL POWDER EXTRACT** - FDA GRAS; FEMA GRAS; used in frozen dairy desserts, baked goods, and alcoholic and non-alcoholic beverages.
- 421. **ORIGANUM OIL, SPANISH** - FDA approved food additive; FEMA GRAS; used in soups, baked goods, frozen dairy desserts, meat products, soft candy, gelatin, and puddings.
- 422. **ORRIS CONCRETE AND ORRIS OIL** - FDA approved food additive; FEMA GRAS; used in alcoholic beverages, baked goods, frosting, gelatin, and puddings.

- 423. **OSMANTHUS ABSOLUTE** - FEMA GRAS; used in frozen dairy desserts, meat products, non-alcoholic beverages, milk products, hard candy, fruit ices, jams, jellies, and chewing gum.
- 424. **PALMAROSA OIL** - FDA GRAS; FEMA GRAS; used in baked goods.
- 425. **PALMITIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods and meat products.
- 426. **PAPRIKA OLEORESIN** - FDA GRAS; FEMA GRAS; used in sauces, meats, beverages, frozen dairy desserts, baked goods, and condiments.
- 427. **PEACHES, PEACH PUREE, AND POWDERED PEACHES** - Common food items.
- 428. **PENTADECALACTONE, OMEGA-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
- 429. **PENTANOL, 2-** - FEMA GRAS; used in baked goods, breakfast cereals, meat products, soups and soft candy.
- 430. **PENTEN-3-ONE, 1-** - FEMA GRAS; used in frozen dairy desserts, candy, gelatin, and beverages.
- 431. **PEPPER OIL, BLACK** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
- 432. **PEPPERMINT OIL** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, gelatin, puddings, and beverages.
- 433. **PETITGRAIN OIL, PETITIGRAIN OIL (MANDARIN) AND PETITIGRAIN OIL (TERPENELESS)** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, sauces, and beverages.
- 434. **PHELLANDRENE, ALPHA-** - FDA approved food additive; FEMA GRAS; used in baked goods, meat products, and candy.
- 435. **PHENETHYL ACETATE** - FDA approved food additive; FEMA GRAS; found in beer, cheese, cocoa, honey, grape, mango, mint, and tomato; used in baked goods, frozen dairy desserts, and candy.
- 436. **PHENETHYL ALCOHOL** - FDA approved food additive; FEMA GRAS; found in apple, apricot, banana, beer, butter, cabbage, cheese, grape, and coffee; used in baked goods, milk products, frostings, snacks, and beverages.

437. **PHENETHYL CINNAMATE** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, gelatin, and puddings.
438. **PHENETHYL ISOVALERATE** - FDA approved food additive; FEMA GRAS; used in frozen dairy desserts, candy, and chewing gum.
439. **PHENOXYETHYL ISOBUTYRATE, 2-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, and puddings.
440. **PHENYL ACETALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
441. **PHENYL ETHYLPROPIONATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, and pudding and raspberry, strawberry, honey, apricot, and peach flavors.
442. **PHENYL-1-PROPANOL, 3-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and puddings.
443. **PHENYL-3-METHYL-3-PENTANOL, 1-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, non-alcoholic beverages and fruit flavors.
444. **PHENYLACETALDEHYDE DIMETHYL ACETAL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
445. **PHENYLACETIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, syrups, alcoholic beverages, candy, and sauces.
446. **PHENYLETHYL PHENYLACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, cheese, frozen dairy desserts, candy, beverages, and apricot, peach, cherry, honey, raisin, prune flavors.
447. **PHENYLPROPIONALDEHYDE, 2-** - FDA approved food additive; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and almond, cherry, peach, melon, spice, and nut flavors.
448. **PHENYLPROPIONALDEHYDE, 3-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, condiments, soft candy, chewing gum and almond, cherry, cinnamon, apricot, peach, and chocolate flavors.

- 449. **PHENYLPROPYL PROPIONATE, 3-** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and beverages.
- 450. **PHOSPHORIC ACID** - FDA GRAS; FEMA GRAS; used in baked goods, meat products, candy, gelatin, and puddings.
- 451. **PHTHALIDE, 3-BUTYL-** - FEMA GRAS; used in condiments, relish, soup, and gravy.
- 452. **PINE NEEDLE OIL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
- 453. **PINEAPPLE JUICE** - Common food item.
- 454. **PINENE, ALPHA-** - FDA approved food additive; FEMA GRAS; used in meat products, candy, baked goods, and condiments.
- 455. **PINENE, BETA-** - FDA approved food additive; FEMA GRAS; used in baked goods, meat products, and candy.
- 456. **PIPSISSEWA LEAF EXTRACT** - FDA GRAS; FEMA GRAS; used in non-alcoholic beverages, baked goods, frozen dairy desserts, soft candy, sweet sauce, gelatin, puddings, and candy.
- 457. **POLYOXYETHYLENE STEARATE** - FDA approved food additive; used in condiments, beverages, baked goods, and frozen dairy desserts.
- 458. **POLYSORBATE 20, POLYSORBATE 65 AND POLYSORBATE 80** - FDA approved food additives; FEMA GRAS; used in baked goods, grain products, frozen dairy desserts, meat, poultry, and seafood.
- 459. **PORT WINE** - Alcoholic beverage.
- 460. **POTASSIUM CARBONATE** - FDA GRAS; used in margarine, soups, and wine.
- 461. **POTASSIUM CHLORIDE** - FDA GRAS; used in dietary supplements, tenderizing agent in meat and poultry.
- 462. **POTASSIUM SORBATE** - FDA GRAS; FEMA GRAS; used in baked goods, fats and oils, cheese, meat, soup, and beverages.

463. **PROLINE, L-** - FDA approved food additive; FEMA GRAS; used in baked goods, milk products, meat products, condiments, soups, and breakfast cereals.
464. **PROPENYLGLUAETHOL** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, and sauces.
465. **PROPIONALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, puddings, and beverages.
466. **PROPIONIC ACID** - FDA GRAS; FEMA GRAS; used in frozen dairy desserts, gelatin, puddings, and candy.
467. **PROPYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, beverages, and frozen dairy desserts.
468. **PROPYL ALCOHOL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, chewing gum and fruit, bread, yeast, wine, brandy, rum and whiskey flavors.
469. **PROPYL BUTYRATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy and apple, apricot, banana, melon, peach and other fruit flavors.
470. **PROPYL P-HYDROXYBENZOATE** - FDA approved food additive; FEMA GRAS; used in baked goods, fats and oils, cheese, fruit juice, soft candy and processed vegetables.
471. **PROPYLENE GLYCOL** - FDA GRAS; FEMA GRAS; used in baked goods, cereals, topping, pickles, milk products, beverages, and soups.
472. **PRUNES, PRUNE CONCENTRATE, PRUNE JUICE, PRUNE JUICE CONCENTRATE, PRUNE INFUSION AND PRUNE EXTRACTIVES** - Common food items.
473. **PRUNE WINE** - Alcoholic beverage.
474. **PULP, UNBLEACHED SULFITE** - FDA GRAS;
475. **PYRUVIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, cereal, candy, soup, snack foods, and beverages.
476. **RAISIN CONCENTRATE, RAISIN EXTRACT AND RAISIN JUICE CONCENTRATE** - Common food items; used in baked goods.

477. **RASPBERRY, RASPBERRY BLACK ESSENCE, RASPBERRY BLACK JUICE CONCENTRATE, RASPBERRY JUICE, BLACK RASPBERRY JUICE, RASPBERRY RED ESSENCE, AND RED RASPBERRY JUICE CONCENTRATE** - Common food items; used in fruit flavors and beverages.
478. **RHAMNOSE, L-** - FEMA GRAS; used in baked goods, milk products, meat products, frozen dairy desserts, soft candy, and snack foods.
479. **RHATANY ROOT EXTRACT** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, non-alcoholic beverages, liqueurs, apéritifs, and bitters.
480. **RHODINOL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, and chewing gum.
481. **RHODINYL ACETATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gelatin, and puddings.
482. **RHUBARB, SOLID EXTRACT** - FDA approved food additive; used in alcoholic beverages.
483. **ROSE ABSOLUTE AND ROSE OIL** - FDA GRAS; FEMA GRAS; used in fruit pie fillings, beverages, cough drops, candy, and chewing gum.
484. **ROSEMARY** - FDA GRAS; FEMA GRAS; used in meats, soups, and vegetables.
485. **RUM** - Alcoholic beverage.
486. **RUM ETHER** - FDA approved food additive; FEMA GRAS; found in rum; used in baked goods, beverages, frozen dairy desserts, and candy.
487. **RUM EXTRACT, NATURAL, NON-ALCOHOLIC** - FEMA GRAS; natural flavor; used in caramel, butterscotch, vanilla, cherry and fruit flavors.
488. **SAGE** - FDA GRAS; FEMA GRAS; used in baked goods, grain products, pasta, gravy, and sauces.
489. **SALICYLALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods, condiments, and candy.
490. **SANDALWOOD OIL** - FDA approved food additive; FEMA GRAS; used in gravy, sauces, and baked goods.

491. **SENNA LEAF, SOLID EXTRACT** - FDA approved food additive; used in cough drops.
492. **SHERRY WINE CONCENTRATE** - Common food item often used in food flavors.
493. **SILICON DIOXIDE** - FDA approved food additive; used in beer, dietetic foods, puddings, and gelatins.
494. **SMOKE FLAVOR, NATURAL** - GRAS; used in baked goods, cheese, meat products, condiments, and sauces.
495. **SNAKEROOT OIL, CANADIAN** - FDA approved food additive; FEMA GRAS; used in beverages, frozen dairy desserts, candy, and condiments.
496. **SODIUM ACETATE** - FDA GRAS; FEMA GRAS; used in sauces, toppings, corn syrup, pasta, and snack foods.
497. **SODIUM BENZOATE** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, grain products, pasta, and jams.
498. **SODIUM BICARBONATE** - FDA GRAS; used in baked goods, soups, poultry, vegetables, and beverages.
499. **SODIUM CARBONATE** - FDA GRAS; used in baked goods, meat products, beverages, and seasonings.
500. **SODIUM CARBOXYMETHYLCELLULOSE** - FDA GRAS; used in baked goods, fats and oils, sauces, puddings, and beverages.
501. **SODIUM CHLORIDE** - FDA GRAS; used in baked goods, breakfast cereal, pasta, cheese, gravy, and sauces.
502. **SODIUM CITRATE** - FDA GRAS; FEMA GRAS; used in cheese, baked goods, breakfast cereals, fats and oils, fruit juices, and non-alcoholic beverages.
503. **SODIUM GLUCONATE** - FDA GRAS; used in non-alcoholic beverages and fruits and juices.
504. **SODIUM PROPIONATE** - FDA GRAS; used in baked goods, cheese, candy, sauces, toppings, and puddings.
505. **SORBIC ACID** - FDA GRAS; used in baked goods, seasonings and flavorings.

- 506. **SORBITAN MONOSTEARATE** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and seasonings.
- 507. **SORBITOL** - FDA GRAS; FEMA GRAS; used in baked goods, cheese, candy, frosting, and meat products.
- 508. **SOY SAUCE** - Common food item; used in meat and poultry products and vegetable juices.
- 509. **SOYBEAN OIL** - Common food item.
- 510. **SPEARMINT EXTRACT, SPEARMINT OIL AND SPEARMINT OIL (TERPENELESS)** - FDA GRAS; FEMA GRAS; used in beverages, frozen dairy desserts, baked goods, chewing gum, and candy.
- 511. **STEARIC ACID** - FDA GRAS; used in baked goods, grain products pasta, and candy.
- 512. **STORAX EXTRACT AND OIL (STYRAX)** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, and jelly.
- 513. **STYRENE** - FDA approved food additive; FEMA GRAS; found in beer, butter, cocoa, coffee, fish, and soybean; used in baked goods, frozen dairy desserts, meat products, soft candy, gelatin, and puddings.
- 514. **SUGAR SYRUP (MEDIUM INVERT), BROWN SUGAR, CANE SUGAR, DARK LIQUID SUGAR, LIGHT BROWN SUGAR, SUGAR SYRUP, AND WASHED RAW SUGAR** - GRAS; Common food items.
- 515. **SULFURIC ACID** - FDA GRAS; used in grain products, pasta, and alcoholic beverages.
- 516. **TAGETES OIL** - FDA approved food additive; FEMA GRAS; used in beverages, frozen dairy desserts, baked goods, and condiments.
- 517. **TANGERINE OIL** - FDA GRAS; FEMA GRAS; used in beverages, baked goods, frozen dairy desserts, puddings, gelatin, and candy.
- 518. **TARTARIC ACID** - FDA GRAS; FEMA GRAS; used in beverages, baked goods, and frozen dairy desserts.
- 519. **TBHQ (TERT. BUTYLHYDROQUINONE)** - FDA approved food additive; used in fats and oils and snack foods.

520. **TERPINEOL, ALPHA-** - FDA approved food additive; FEMA GRAS; found in apple, apricot, beef, beer, cheese, chicken, carrot, bell pepper, coffee, and dill; used in baked goods, frozen dairy desserts, condiments, and candy.
521. **TERPINOLENE** - FDA approved food additive; used in baked goods, frozen dairy desserts, and candy.
522. **TERPINYL ACETATE** - FDA approved food additive; FEMA GRAS; found in grapefruit juice and green tea; used in baked goods, frozen dairy desserts, meats, and condiments.
523. **TETRAHYDROFURAN-3-ONE, 2-METHYL** - FEMA GRAS; used in chewing gum, dairy products, coffee, and tea.
524. **TETRAHYDROLINALOOL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, condiments, soft candy, and fruit flavors.
525. **THIAMINE HYDROCHLORIDE** - FDA GRAS; used in baked goods, pasta, cheese, and candy.
526. **THYME OIL** - FDA GRAS; FEMA GRAS; used in grain products, baby food, gravies, soups, and beverages.
527. **TIGLALDEHYDE** - FEMA GRAS; used in baked goods, frozen dairy desserts, soft candy, gravy, gelatin, puddings, non-alcoholic beverages, and chewing gum.
528. **TITANIUM DIOXIDE** - FDA approved color additive; used in baked goods, fats and oils, cheese, vegetable juices, and chewing gum.
529. **TOBACCO EXTRACT** - Natural flavorant; contains a de minimis quantity of nicotine.
530. **TOLU, BALSAM, GUM** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, and cheese.
531. **TOLUALDEHYDES (MIXED O-, M-, P-)** - FDA approved food additive; FEMA GRAS; used in baked goods, candy, beverages, and chewing gum.
532. **TOLYL PHENYLACETATE, P-** - FDA approved food additive; FEMA GRAS; baked goods, cheese, frozen dairy desserts, soft candy, gelatin, and puddings.

533. **TOLYLALDEHYDE, P-** - FDA approved food additive; used in baked goods, frozen dairy desserts, and soft candy.
534. **TRIACETIN** - FDA GRAS; FEMA GRAS; used in baked goods, beverages, candy, puddings, and gelatin.
535. **TRIETHYL CITRATE** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, and chewing gum.
536. **TRIMETHYLCYCLOHEX-1-ENYL)BUT-2-EN-4-ONE, 4-(2,6,6-** - FEMA GRAS; used in baked goods, frozen dairy desserts, candy, puddings, and beverages.
537. **TRIMETHYLCYCLOHEXA-1,3-DIENYL METHANAL, 2,6,6-** - FEMA GRAS; used in baked goods, candy, preserves, spreads, and condiments.
538. **TRIMETHYLPYRAZINE, 2,3,5-** - FEMA GRAS; used in baked goods, dairy products, and breakfast cereals.
539. **TUBEROSE OIL** - FDA GRAS; FEMA GRAS; baked goods, frozen dairy desserts, beverages, soft candy, gelatin, and puddings.
540. **TURMERIC AND TURMERIC EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, grain products, cheese, meat and poultry products.
541. **TURPENTINE OIL, STEAM DISTILLED** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, meat products, condiments, and chewing gum.
542. **UNDECALACTONE, GAMMA-** - FDA approved food additive; FEMA GRAS; found in apple juice, guava pulp, yogurt, butter, and papaya; used in baked goods, frozen dairy desserts, candy, and chewing gum.
543. **UNDECANAL** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, beverages, and chewing gum.
544. **VALERALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods and frozen dairy desserts.
545. **VALERIAN OIL AND VALERIAN ROOT EXTRACT** - FDA approved food additives; FEMA GRAS; used in baked goods, condiments, frozen dairy desserts, and chewing gum.
546. **VALERIC ACID** - FDA approved food additive; FEMA GRAS; used in baked goods, cheese, fruits and juices, condiments, and candy.

- 547. **VALEROLACTONE, GAMMA** - FEMA GRAS; used in baked goods, meat products, and candy.
- 548. **VANILLA AND VANILLA EXTRACT** - FDA GRAS; FEMA GRAS; used in baked goods, breakfast cereals, candy, jams, and jellies.
- 549. **VANILLIN** - FDA GRAS; FEMA GRAS; used in baked goods, frostings, and candy.
- 550. **VEGETABLE OIL, HYDROGENATED** - Common food item; used in hard candies, snack foods, and baked goods.
- 551. **VERATRALDEHYDE** - FDA approved food additive; FEMA GRAS; used in baked goods, meat products, candy, and beverages.
- 552. **VINEGAR** - FDA GRAS; used in catsup, pickles.
- 553. **VIOLET LEAF ABSOLUTE** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, and candy.
- 554. **WALNUT LEAVES, EXTRACT** - FDA approved food additive; used in seasonings.
- 555. **WATER**
- 556. **WHEAT FLOUR** - Common food item.
- 557. **WHISKEY** - Alcoholic beverage.
- 558. **WINTERGREEN LEAVES EXTRACT AND WINTERGREEN OIL** - FEMA GRAS; used in beverages, frozen dairy desserts, chewing gum and candy.
- 559. **XANTHAN GUM** - FDA approved food additive; used in baked goods, breakfast cereals, cheese, candy, soups, and chewing gum.
- 560. **YEAST POWDER** - FDA approved food additive.
- 561. **YERBA SANTA EXTRACT** - FDA approved food additive; FEMA GRAS; used in baked goods, frozen dairy desserts, alcoholic and non-alcoholic beverages.
- 562. **YLANG YLANG OIL** - FDA GRAS; FEMA GRAS; used in baked goods, frozen dairy desserts, candy, gelatin, puddings, and chewing gum.