

## Risk Factors of Food Additives

Green - nutritious; Yellow - acceptable; Red - unacceptable

Food Additive or Ingredient	DDRF risk factor	Link
Agar,	3	<a href="http://en.wikipedia.org/wiki/Agar">http://en.wikipedia.org/wiki/Agar</a>
Agar-agar	3	<a href="http://en.wikipedia.org/wiki/Agar">http://en.wikipedia.org/wiki/Agar</a>
Acacia gum	3	<a href="http://en.wikipedia.org/wiki/Gum_arabic">http://en.wikipedia.org/wiki/Gum_arabic</a>
Acerola extract	2	<a href="http://en.wikipedia.org/wiki/Malpighia_emarginata">http://en.wikipedia.org/wiki/Malpighia_emarginata</a>
Acesulfame potassium	8	<a href="http://en.wikipedia.org/wiki/Acesulfame_potassium">http://en.wikipedia.org/wiki/Acesulfame_potassium</a>
Active Cultures	2	<a href="http://www.aboutyogurt.com/index.asp?bid=28">http://www.aboutyogurt.com/index.asp?bid=28</a>
Adipic acid	5	<a href="http://en.wikipedia.org/wiki/Adipic_acid">http://en.wikipedia.org/wiki/Adipic_acid</a>
Alkalized cocoa - see also Cocoa processed	3	<a href="http://en.wikipedia.org/wiki/Dutch_process_chocolate">http://en.wikipedia.org/wiki/Dutch_process_chocolate</a>
Ammonium bicarbonate	3	<a href="http://en.wikipedia.org/wiki/Ammonium_bicarbonate">http://en.wikipedia.org/wiki/Ammonium_bicarbonate</a>
Annatto Color	4	<a href="http://en.wikipedia.org/wiki/Annatto">http://en.wikipedia.org/wiki/Annatto</a>
Apples	2	<a href="http://en.wikipedia.org/wiki/Apple">http://en.wikipedia.org/wiki/Apple</a>
Artificial Flavor	6	<a href="http://en.wikipedia.org/wiki/Flavor">http://en.wikipedia.org/wiki/Flavor</a>
Ascorbic Acid	3	<a href="http://en.wikipedia.org/wiki/Ascorbic_acid">http://en.wikipedia.org/wiki/Ascorbic_acid</a>
Aspartame	8	<a href="http://en.wikipedia.org/wiki/Aspartame_controversy">http://en.wikipedia.org/wiki/Aspartame_controversy</a>
Autolyzed yeast	4	<a href="http://en.wikipedia.org/wiki/Yeast_extract">http://en.wikipedia.org/wiki/Yeast_extract</a>
Baking Soda	3	<a href="http://en.wikipedia.org/wiki/Sodium_bicarbonate">http://en.wikipedia.org/wiki/Sodium_bicarbonate</a>
Banana Puree	2	<a href="http://en.wikipedia.org/wiki/Banana">http://en.wikipedia.org/wiki/Banana</a>
Beeswax	3	<a href="http://en.wikipedia.org/wiki/Beeswax">http://en.wikipedia.org/wiki/Beeswax</a>
Benzoic acid	6	<a href="http://en.wikipedia.org/wiki/Benzoic_acid">http://en.wikipedia.org/wiki/Benzoic_acid</a>
Beta carotene	3	<a href="http://en.wikipedia.org/wiki/Beta-Carotene">http://en.wikipedia.org/wiki/Beta-Carotene</a>
BHT	6	<a href="http://en.wikipedia.org/wiki/Butylated_hydroxytoluene">http://en.wikipedia.org/wiki/Butylated_hydroxytoluene</a>
Biotin	2	<a href="http://en.wikipedia.org/wiki/Biotin">http://en.wikipedia.org/wiki/Biotin</a>
Black pepper	3	<a href="http://en.wikipedia.org/wiki/Black_pepper">http://en.wikipedia.org/wiki/Black_pepper</a>

Blackstrap Molasses	4	<a href="http://en.wikipedia.org/wiki/Molasses">http://en.wikipedia.org/wiki/Molasses</a>
Blueberries	2	<a href="http://en.wikipedia.org/wiki/Blueberry">http://en.wikipedia.org/wiki/Blueberry</a>
Blue 1	10	<a href="http://en.wikipedia.org/wiki/Brilliant_Blue_FCF">http://en.wikipedia.org/wiki/Brilliant_Blue_FCF</a>
Blue 1 Lake	10	<a href="http://en.wikipedia.org/wiki/Brilliant_Blue_FCF">http://en.wikipedia.org/wiki/Brilliant_Blue_FCF</a>
Blue 2	8	<a href="http://en.wikipedia.org/wiki/Indigo_dye">http://en.wikipedia.org/wiki/Indigo_dye</a>
Blue 2 Lake	8	<a href="http://en.wikipedia.org/wiki/Indigo_dye">http://en.wikipedia.org/wiki/Indigo_dye</a>
Brominated vegetable oil	15	<a href="http://en.wikipedia.org/wiki/Brominated_vegetable_oil">http://en.wikipedia.org/wiki/Brominated_vegetable_oil</a>
Brown rice syrup	4	<a href="http://en.wikipedia.org/wiki/Brown_rice_syrup">http://en.wikipedia.org/wiki/Brown_rice_syrup</a>
Buttermilk Solids	2	<a href="http://en.wikipedia.org/wiki/Buttermilk">http://en.wikipedia.org/wiki/Buttermilk</a>
Caffeine	6	<a href="http://en.wikipedia.org/wiki/Caffeine">http://en.wikipedia.org/wiki/Caffeine</a>
Calcium chloride	3	<a href="http://en.wikipedia.org/wiki/Calcium_chloride">http://en.wikipedia.org/wiki/Calcium_chloride</a>
Calcium disodium EDTA	6	<a href="http://en.wikipedia.org/wiki/Ethylenediaminetetraacetic_acid">http://en.wikipedia.org/wiki/Ethylenediaminetetraacetic_acid</a>
Calcium Lactate	2	<a href="http://en.wikipedia.org/wiki/Calcium_lactate">http://en.wikipedia.org/wiki/Calcium_lactate</a>
Calcium pantothenate (Vitamin B 5 )	2	<a href="http://en.wikipedia.org/wiki/Pantothenic_acid">http://en.wikipedia.org/wiki/Pantothenic_acid</a>
Canola oil	3	<a href="http://en.wikipedia.org/wiki/Canola">http://en.wikipedia.org/wiki/Canola</a>
Cane Sugar	4	<a href="http://en.wikipedia.org/wiki/Sugarcane">http://en.wikipedia.org/wiki/Sugarcane</a>
Caramel color	7	<a href="http://en.wikipedia.org/wiki/Caramel_color">http://en.wikipedia.org/wiki/Caramel_color</a>
Carbonated Water	2	<a href="http://en.wikipedia.org/wiki/Carbonated_water">http://en.wikipedia.org/wiki/Carbonated_water</a>
Carmine color	5	<a href="http://en.wikipedia.org/wiki/Carmine">http://en.wikipedia.org/wiki/Carmine</a>
Carnauba wax	3	<a href="http://en.wikipedia.org/wiki/Carnauba_wax">http://en.wikipedia.org/wiki/Carnauba_wax</a>
Carotene	3	<a href="http://en.wikipedia.org/wiki/Carotene">http://en.wikipedia.org/wiki/Carotene</a>
Carrageenan	3	<a href="http://en.wikipedia.org/wiki/Carrageenan">http://en.wikipedia.org/wiki/Carrageenan</a>
Cellulose gum	3	<a href="http://en.wikipedia.org/wiki/Carboxymethyl_cellulose">http://en.wikipedia.org/wiki/Carboxymethyl_cellulose</a>
Cheddar Cheese	2	<a href="http://en.wikipedia.org/wiki/Cheddar_cheese">http://en.wikipedia.org/wiki/Cheddar_cheese</a>
Cherries	2	<a href="http://en.wikipedia.org/wiki/Cherry">http://en.wikipedia.org/wiki/Cherry</a>
Chocolate liquor	3	<a href="http://en.wikipedia.org/wiki/Chocolate_liquor">http://en.wikipedia.org/wiki/Chocolate_liquor</a>
Chromium picolinate	6	<a href="http://en.wikipedia.org/wiki/Chromium(III)_picolinate">http://en.wikipedia.org/wiki/Chromium(III)_picolinate</a>
Cinnamon	4	<a href="http://en.wikipedia.org/wiki/Cinnamon">http://en.wikipedia.org/wiki/Cinnamon</a>

Citric acid	4	<a href="http://en.wikipedia.org/wiki/Citric_acid">http://en.wikipedia.org/wiki/Citric_acid</a>
Cocoa butter	3	<a href="http://en.wikipedia.org/wiki/Cocoa_butter">http://en.wikipedia.org/wiki/Cocoa_butter</a>
Cocoa processed	3	<a href="http://en.wikipedia.org/wiki/Cocoa_beans">http://en.wikipedia.org/wiki/Cocoa_beans</a>
<b>Confectioner's Glaze</b>	5	<a href="http://en.wikipedia.org/wiki/Pharmaceutical_glaze">http://en.wikipedia.org/wiki/Pharmaceutical_glaze</a>
Corn Flour	2	<a href="http://en.wikipedia.org/wiki/Cornmeal">http://en.wikipedia.org/wiki/Cornmeal</a>
Corn oil	3	<a href="http://en.wikipedia.org/wiki/Corn_oil">http://en.wikipedia.org/wiki/Corn_oil</a>
Corn syrup	4	<a href="http://en.wikipedia.org/wiki/Corn_syrup">http://en.wikipedia.org/wiki/Corn_syrup</a>
Corn Syrup Solids	4	<a href="http://wiki.answers.com/Q/What_are_corn_syrup_solids">http://wiki.answers.com/Q/What_are_corn_syrup_solids</a>
Cornstarch	3	<a href="http://en.wikipedia.org/wiki/Corn_starch">http://en.wikipedia.org/wiki/Corn_starch</a>
Cottonseed oil	4	<a href="http://en.wikipedia.org/wiki/Cottonseed_oil">http://en.wikipedia.org/wiki/Cottonseed_oil</a>
Cucumbers	2	<a href="http://en.wikipedia.org/wiki/Cucumber">http://en.wikipedia.org/wiki/Cucumber</a>
Cultured Grade A Milk	2	<a href="http://en.wikipedia.org/wiki/Milk">http://en.wikipedia.org/wiki/Milk</a>
Cultured Organic Whole Milk	2	<a href="http://en.wikipedia.org/wiki/Milk">http://en.wikipedia.org/wiki/Milk</a>
Cyanocobalamin - see also Viramint B 12	2	<a href="http://en.wikipedia.org/wiki/Cyanocobalamin">http://en.wikipedia.org/wiki/Cyanocobalamin</a>
<b>DATEM</b>	3	<a href="http://en.wikipedia.org/wiki/DATEM">http://en.wikipedia.org/wiki/DATEM</a>
Dextrin	3	<a href="http://en.wikipedia.org/wiki/Dextrin">http://en.wikipedia.org/wiki/Dextrin</a>
Dextrose - see glucose	3	<a href="http://en.wikipedia.org/wiki/Glucose">http://en.wikipedia.org/wiki/Glucose</a>
<b>Dipotassium phosphate</b>	3	<a href="http://en.wikipedia.org/wiki/Dipotassium_phosphate">http://en.wikipedia.org/wiki/Dipotassium_phosphate</a>
Disodium inosinate	3	<a href="http://en.wikipedia.org/wiki/Disodium_inosinate">http://en.wikipedia.org/wiki/Disodium_inosinate</a>
Disodium phosphate	3	<a href="http://en.wikipedia.org/wiki/Disodium_phosphate">http://en.wikipedia.org/wiki/Disodium_phosphate</a>
<b>EDTA</b>	6	<a href="http://en.wikipedia.org/wiki/Ethylenediaminetetraacetic_acid">http://en.wikipedia.org/wiki/Ethylenediaminetetraacetic_acid</a>
Eggs	2	<a href="http://en.wikipedia.org/wiki/Egg_%28food%29">http://en.wikipedia.org/wiki/Egg_(food)</a>
<b>Emulsifier</b>	6	<a href="http://en.wikipedia.org/wiki/Emulsion">http://en.wikipedia.org/wiki/Emulsion</a>
Enriched Bleached Wheat Flour	3	<a href="http://www.youtube.com/watch?v=h4AHe9C_aIA">http://www.youtube.com/watch?v=h4AHe9C_aIA</a>
Enriched Flour	3	<a href="http://www.youtube.com/watch?v=h4AHe9C_aIA">http://www.youtube.com/watch?v=h4AHe9C_aIA</a>
<b>Erythorbic Acid</b>	4	<a href="http://en.wikipedia.org/wiki/Erythorbic_acid">http://en.wikipedia.org/wiki/Erythorbic_acid</a>
Erythritol	3	<a href="http://en.wikipedia.org/wiki/Erythritol">http://en.wikipedia.org/wiki/Erythritol</a>
Ester gum	5	<a href="http://en.wikipedia.org/wiki/Glycerol_ester_of_wood_resin">http://en.wikipedia.org/wiki/Glycerol_ester_of_wood_resin</a>

Evaporated Cane juice	4	<a href="http://en.wikipedia.org/wiki/Sugarcane_juice">http://en.wikipedia.org/wiki/Sugarcane_juice</a>
Ferric orthophosphate	3	<a href="http://en.wikipedia.org/wiki/Iron(III)_phosphate">http://en.wikipedia.org/wiki/Iron(III)_phosphate</a>
Fish Oil	3	<a href="http://en.wikipedia.org/wiki/Fish_oil">http://en.wikipedia.org/wiki/Fish_oil</a>
Food-starch modified	3	<a href="http://en.wikipedia.org/wiki/Modified_starch">http://en.wikipedia.org/wiki/Modified_starch</a>
Fractionated palm kernel oil	3	<a href="http://www.fitsugar.com/Fractionated-Palm-Kernel-Oil-Explained-1500333">http://www.fitsugar.com/Fractionated-Palm-Kernel-Oil-Explained-1500333</a>
Fructose	6	<a href="http://en.wikipedia.org/wiki/Fructose">http://en.wikipedia.org/wiki/Fructose</a>
Fruit and vegetable juice	2	<a href="http://en.wikipedia.org/wiki/Vegetable_juice">http://en.wikipedia.org/wiki/Vegetable_juice</a>
Fumaric acid	4	<a href="http://en.wikipedia.org/wiki/Fumaric_acid">http://en.wikipedia.org/wiki/Fumaric_acid</a>
Garcinia cambogia rind extract	4	<a href="http://en.wikipedia.org/wiki/Gambooge">http://en.wikipedia.org/wiki/Gambooge</a>
Garlic Powder	2	<a href="http://en.wikipedia.org/wiki/Garlic">http://en.wikipedia.org/wiki/Garlic</a>
Gellan Gum	3	<a href="http://en.wikipedia.org/wiki/Gellan_gum">http://en.wikipedia.org/wiki/Gellan_gum</a>
Gelatin	3	<a href="http://en.wikipedia.org/wiki/Gelatin">http://en.wikipedia.org/wiki/Gelatin</a>
Ginkgo biloba leaf extract	3	<a href="http://en.wikipedia.org/wiki/Ginkgo_biloba">http://en.wikipedia.org/wiki/Ginkgo_biloba</a>
Glycerin	3	<a href="http://en.wikipedia.org/wiki/Glycerol">http://en.wikipedia.org/wiki/Glycerol</a>
Glycerol ester of rosin	5	<a href="http://en.wikipedia.org/wiki/Glycerol_estер_of_wood_rosin">http://en.wikipedia.org/wiki/Glycerol_estер_of_wood_rosin</a>
Glyceryl monostearate	3	<a href="http://en.wikipedia.org/wiki/Glycerol_monostearate">http://en.wikipedia.org/wiki/Glycerol_monostearate</a>
Grape juice concentrate	2	<a href="http://en.wikipedia.org/wiki/Grape_juice">http://en.wikipedia.org/wiki/Grape_juice</a>
Green 3	10	<a href="http://en.wikipedia.org/wiki/Fast_Green_FCF">http://en.wikipedia.org/wiki/Fast_Green_FCF</a>
Ground vanilla beans	2	<a href="http://en.wikipedia.org/wiki/Vanilla">http://en.wikipedia.org/wiki/Vanilla</a>
Gum acacia	3	<a href="http://en.wikipedia.org/wiki/Gum_arabic">http://en.wikipedia.org/wiki/Gum_arabic</a>
Guar gum	3	<a href="http://en.wikipedia.org/wiki/Guar_gum">http://en.wikipedia.org/wiki/Guar_gum</a>
Guarana extract	4	<a href="http://en.wikipedia.org/wiki/Guarana">http://en.wikipedia.org/wiki/Guarana</a>
Gum Arabic	3	<a href="http://en.wikipedia.org/wiki/Gum_arabic">http://en.wikipedia.org/wiki/Gum_arabic</a>
Gum Tragacanth	4	<a href="http://en.wikipedia.org/wiki/Tragacanth">http://en.wikipedia.org/wiki/Tragacanth</a>
HFCS	6	<a href="http://en.wikipedia.org/wiki/High-fructose_corn_syrup">http://en.wikipedia.org/wiki/High-fructose_corn_syrup</a>
High fructose corn syrup	6	<a href="http://en.wikipedia.org/wiki/High-fructose_corn_syrup">http://en.wikipedia.org/wiki/High-fructose_corn_syrup</a>
High Oleic Canola Oil	3	<a href="http://answers.yahoo.com/question/index?qid=20100710105406AAli4oY">http://answers.yahoo.com/question/index?qid=20100710105406AAli4oY</a>
Honey	3	<a href="http://en.wikipedia.org/wiki/Honey">http://en.wikipedia.org/wiki/Honey</a>

Hydrogenated Palm Kernel Oil	4	<a href="http://en.wikipedia.org/wiki/Palm_oil">http://en.wikipedia.org/wiki/Palm_oil</a>
Inositol	3	<a href="http://en.wikipedia.org/wiki/Inositol">http://en.wikipedia.org/wiki/Inositol</a>
Inverted sugar	4	<a href="http://en.wikipedia.org/wiki/Inverted_sugar_syrup">http://en.wikipedia.org/wiki/Inverted_sugar_syrup</a>
Isomalt	4	<a href="http://en.wikipedia.org/wiki/Isomalt">http://en.wikipedia.org/wiki/Isomalt</a>
Kosher Gelatin	3	<a href="http://en.wikipedia.org/wiki/Gelatin">http://en.wikipedia.org/wiki/Gelatin</a>
Lactic acid	3	<a href="http://en.wikipedia.org/wiki/Lactic_acid">http://en.wikipedia.org/wiki/Lactic_acid</a>
Lactose	3	<a href="http://en.wikipedia.org/wiki/Lactose">http://en.wikipedia.org/wiki/Lactose</a>
Leavening	9	<a href="http://en.wikipedia.org/wiki/Leavening_agent">http://en.wikipedia.org/wiki/Leavening_agent</a>
L-Carnitine	3	<a href="http://en.wikipedia.org/wiki/Carnitine">http://en.wikipedia.org/wiki/Carnitine</a>
L-Cysteine Hydrochloride	3	<a href="http://en.wikipedia.org/wiki/Cysteine">http://en.wikipedia.org/wiki/Cysteine</a>
Locust Bean	3	<a href="http://en.wikipedia.org/wiki/Locust_bean_gum">http://en.wikipedia.org/wiki/Locust_bean_gum</a>
Locust Bean gum	4	<a href="http://en.wikipedia.org/wiki/Locust_bean_gum">http://en.wikipedia.org/wiki/Locust_bean_gum</a>
Magnesium oxide	3	<a href="http://en.wikipedia.org/wiki/Magnesium_oxide">http://en.wikipedia.org/wiki/Magnesium_oxide</a>
Magnesium stearate	3	<a href="http://en.wikipedia.org/wiki/Magnesium_stearate">http://en.wikipedia.org/wiki/Magnesium_stearate</a>
Magnesium carbonate	3	<a href="http://en.wikipedia.org/wiki/Magnesium_carbonate">http://en.wikipedia.org/wiki/Magnesium_carbonate</a>
Malic acid	4	<a href="http://en.wikipedia.org/wiki/Malic_acid">http://en.wikipedia.org/wiki/Malic_acid</a>
Malt syrup	3	<a href="http://en.wikipedia.org/wiki/Barley_malt_syrup">http://en.wikipedia.org/wiki/Barley_malt_syrup</a>
Maltitol	4	<a href="http://en.wikipedia.org/wiki/Maltitol">http://en.wikipedia.org/wiki/Maltitol</a>
Maltodextrin	3	<a href="http://en.wikipedia.org/wiki/Maltodextrin">http://en.wikipedia.org/wiki/Maltodextrin</a>
Maple syrup	3	<a href="http://en.wikipedia.org/wiki/Maple_syrup">http://en.wikipedia.org/wiki/Maple_syrup</a>
Margarine	4	<a href="http://en.wikipedia.org/wiki/Margarine">http://en.wikipedia.org/wiki/Margarine</a>
Menthol	3	<a href="http://en.wikipedia.org/wiki/Menthol">http://en.wikipedia.org/wiki/Menthol</a>
Methyl anthranilate	4	<a href="http://en.wikipedia.org/wiki/Methyl_anthraniolate">http://en.wikipedia.org/wiki/Methyl_anthraniolate</a>
Milk thistle extract	3	<a href="http://en.wikipedia.org/wiki/Milk_thistle">http://en.wikipedia.org/wiki/Milk_thistle</a>
Methyl cellulose	4	<a href="http://en.wikipedia.org/wiki/Methyl_cellulose">http://en.wikipedia.org/wiki/Methyl_cellulose</a>
Mineral Oil	6	<a href="http://en.wikipedia.org/wiki/Mineral_oil">http://en.wikipedia.org/wiki/Mineral_oil</a>
Modified Corn Starch	4	<a href="http://en.wikipedia.org/wiki/Modified_starch">http://en.wikipedia.org/wiki/Modified_starch</a>
Modified Food Starch	4	<a href="http://en.wikipedia.org/wiki/Modified_starch">http://en.wikipedia.org/wiki/Modified_starch</a>

Molasses	4	<a href="http://en.wikipedia.org/wiki/Molasses">http://en.wikipedia.org/wiki/Molasses</a>
Mono- and Diglycerides	3	<a href="http://en.wikipedia.org/wiki/Diglyceride">http://en.wikipedia.org/wiki/Diglyceride</a>
Mono calcium phosphate	4	<a href="http://en.wikipedia.org/wiki/Monocalcium_phosphate">http://en.wikipedia.org/wiki/Monocalcium_phosphate</a>
Monopotassium phosphate	3	<a href="http://en.wikipedia.org/wiki/Monocalcium_phosphate">http://en.wikipedia.org/wiki/Monocalcium_phosphate</a>
Monosodium glutamate	3	<a href="http://en.wikipedia.org/wiki/Monosodium_glutamate">http://en.wikipedia.org/wiki/Monosodium_glutamate</a>
Natural and artificial flavor	6	<a href="http://en.wikipedia.org/wiki/Flavor">http://en.wikipedia.org/wiki/Flavor</a>
Natural Flavor	4	<a href="http://en.wikipedia.org/wiki/Flavor">http://en.wikipedia.org/wiki/Flavor</a>
Non-fat milk	2	<a href="http://en.wikipedia.org/wiki/Milk">http://en.wikipedia.org/wiki/Milk</a>
Nonfat milk solids	2	<a href="http://www.innovatewithdairy.com/Pages/Whatdoesthetermmilk-solids-nonfatmean.aspx">http://www.innovatewithdairy.com/Pages/Whatdoesthetermmilk-solids-nonfatmean.aspx</a>
Oligofructose	4	<a href="http://en.wikipedia.org/wiki/Fructooligosaccharide">http://en.wikipedia.org/wiki/Fructooligosaccharide</a>
Onion powder	2	<a href="http://en.wikipedia.org/wiki/Onion">http://en.wikipedia.org/wiki/Onion</a>
Organic Banana Puree	2	<a href="http://en.wikipedia.org/wiki/Banana">http://en.wikipedia.org/wiki/Banana</a>
Organic Beet Juice	3	<a href="http://en.wikipedia.org/wiki/Beet">http://en.wikipedia.org/wiki/Beet</a>
Organic Flaxseed Concentrate	3	<a href="http://en.wikipedia.org/wiki/Flax">http://en.wikipedia.org/wiki/Flax</a>
Organic Oat Bran	2	<a href="http://en.wikipedia.org/wiki/Bran">http://en.wikipedia.org/wiki/Bran</a>
Organic Oat Flour	2	<a href="http://en.wikipedia.org/wiki/Oat">http://en.wikipedia.org/wiki/Oat</a>
Organic Rice Flour	2	<a href="http://en.wikipedia.org/wiki/Rice_flour">http://en.wikipedia.org/wiki/Rice_flour</a>
Organic Strawberry Puree	2	<a href="http://en.wikipedia.org/wiki/Garden_strawberry">http://en.wikipedia.org/wiki/Garden_strawberry</a>
Organic Sugar	4	<a href="http://en.wikipedia.org/wiki/Sugar">http://en.wikipedia.org/wiki/Sugar</a>
Palm Oil	3	<a href="http://en.wikipedia.org/wiki/Palm_oil">http://en.wikipedia.org/wiki/Palm_oil</a>
Panax ginseng root extract	3	<a href="http://en.wikipedia.org/wiki/Ginseng">http://en.wikipedia.org/wiki/Ginseng</a>
Partly hydrogenated soybean and cotton seed oil	4	<a href="http://en.wikipedia.org/wiki/Trans_fat">http://en.wikipedia.org/wiki/Trans_fat</a>
Pectin	3	<a href="http://en.wikipedia.org/wiki/Pectin">http://en.wikipedia.org/wiki/Pectin</a>
PGPR	6	<a href="http://en.wikipedia.org/wiki/Polyglycerol_polyricinoleate">http://en.wikipedia.org/wiki/Polyglycerol_polyricinoleate</a>
Phosphoric acid	7	<a href="http://en.wikipedia.org/wiki/Phosphoric_acid">http://en.wikipedia.org/wiki/Phosphoric_acid</a>
Polysorbate 60	7	<a href="http://en.wikipedia.org/wiki/Polysorbate">http://en.wikipedia.org/wiki/Polysorbate</a>
Polysorbate 80	7	<a href="http://en.wikipedia.org/wiki/Polysorbate">http://en.wikipedia.org/wiki/Polysorbate</a>
Potassium benzoate	6	<a href="http://en.wikipedia.org/wiki/Potassium_benzoate">http://en.wikipedia.org/wiki/Potassium_benzoate</a>

Potassium citrate	3	<a href="http://en.wikipedia.org/wiki/Potassium_citrate">http://en.wikipedia.org/wiki/Potassium_citrate</a>
Potassium hexametaphosphate	4	<a href="http://en.wikipedia.org/wiki/Sodium_hexametaphosphate">http://en.wikipedia.org/wiki/Sodium_hexametaphosphate</a>
Potassium phosphate	3	<a href="http://en.wikipedia.org/wiki/Potassium_phosphate">http://en.wikipedia.org/wiki/Potassium_phosphate</a>
Potassium Sorbate	3	<a href="http://en.wikipedia.org/wiki/Potassium_sorbate">http://en.wikipedia.org/wiki/Potassium_sorbate</a>
Propylene glycol monostearate	4	<a href="http://www.accessdata.fda.gov/scripts/fcn/fcnDetailNavigation.cfm?rpt=scogsListing&amp;id=264">http://www.accessdata.fda.gov/scripts/fcn/fcnDetailNavigation.cfm?rpt=scogsListing&amp;id=264</a>
Purple carrot extract	4	<a href="http://en.wikipedia.org/wiki/Carrot">http://en.wikipedia.org/wiki/Carrot</a>
Purple sweet potato extractive	4	<a href="http://en.wikipedia.org/wiki/Sweet_potato">http://en.wikipedia.org/wiki/Sweet_potato</a>
Pyridoxine - see Vitamin B6	2	<a href="http://en.wikipedia.org/wiki/Pyridoxine">http://en.wikipedia.org/wiki/Pyridoxine</a>
Reb A (Stevia extract)	3	<a href="http://en.wikipedia.org/wiki/Stevia">http://en.wikipedia.org/wiki/Stevia</a>
Red 3	10	<a href="http://en.wikipedia.org/wiki/Erythrosine">http://en.wikipedia.org/wiki/Erythrosine</a>
Red 40	10	<a href="http://en.wikipedia.org/wiki/Allura_Red_AC">http://en.wikipedia.org/wiki/Allura_Red_AC</a>
Red 40 Lake	10	<a href="http://en.wikipedia.org/wiki/Allura_Red_AC">http://en.wikipedia.org/wiki/Allura_Red_AC</a>
Red and Green bell pepper powder	2	<a href="http://en.wikipedia.org/wiki/Bell_pepper">http://en.wikipedia.org/wiki/Bell_pepper</a>
Reverse Osmosis water	1	<a href="http://en.wikipedia.org/wiki/Reverse_osmosis">http://en.wikipedia.org/wiki/Reverse_osmosis</a>
Rice Flour	2	<a href="http://en.wikipedia.org/wiki/Rice_flour">http://en.wikipedia.org/wiki/Rice_flour</a>
Romano Cheese from Cow's milk	2	<a href="http://en.wikipedia.org/wiki/Romano_cheese">http://en.wikipedia.org/wiki/Romano_cheese</a>
Salt	5	<a href="http://en.wikipedia.org/wiki/Salt">http://en.wikipedia.org/wiki/Salt</a>
Sea salt	5	<a href="http://en.wikipedia.org/wiki/Sea_salt">http://en.wikipedia.org/wiki/Sea_salt</a>
Sodium Acid Pyrophosphaye	4	<a href="http://en.wikipedia.org/wiki/Disodium_pyrophosphate">http://en.wikipedia.org/wiki/Disodium_pyrophosphate</a>
Sodium aluminum phosphate	4	<a href="http://en.wikipedia.org/wiki/Sodium_aluminium_phosphate">http://en.wikipedia.org/wiki/Sodium_aluminium_phosphate</a>
Sodium aluminun sulfate	4	<a href="http://en.wikipedia.org/wiki/Sodium_aluminium_sulfate">http://en.wikipedia.org/wiki/Sodium_aluminium_sulfate</a>
Sodium aluminosilicate	5	<a href="http://www.livestrong.com/article/272868-what-is-sodium-aluminosilicate/">http://www.livestrong.com/article/272868-what-is-sodium-aluminosilicate/</a>
Sodium Benzoate	6	<a href="http://en.wikipedia.org/wiki/Sodium_benzoate">http://en.wikipedia.org/wiki/Sodium_benzoate</a>
Sodium Caseinate	2	<a href="http://en.wikipedia.org/wiki/Casein">http://en.wikipedia.org/wiki/Casein</a>
Sodium Citrate	3	<a href="http://en.wikipedia.org/wiki/Trisodium_citrate">http://en.wikipedia.org/wiki/Trisodium_citrate</a>
Sodium diacetate	3	<a href="http://en.wikipedia.org/wiki/Sodium_diacetate">http://en.wikipedia.org/wiki/Sodium_diacetate</a>
Spodium erythorbate	3	<a href="http://en.wikipedia.org/wiki/Sodium_erythorbate">http://en.wikipedia.org/wiki/Sodium_erythorbate</a>
Sodium hexametaphosphate	3	<a href="http://en.wikipedia.org/wiki/Sodium_hexametaphosphate">http://en.wikipedia.org/wiki/Sodium_hexametaphosphate</a>

Sodium lactate	3	<a href="http://en.wikipedia.org/wiki/Sodium_lactate">http://en.wikipedia.org/wiki/Sodium_lactate</a>
Sodium nitrite	8	<a href="http://en.wikipedia.org/wiki/Sodium_nitrite">http://en.wikipedia.org/wiki/Sodium_nitrite</a>
Sodium propionate	4	<a href="http://en.wikipedia.org/wiki/Sodium_propionate">http://en.wikipedia.org/wiki/Sodium_propionate</a>
Sodium stearoyl lactylate	4	<a href="http://en.wikipedia.org/wiki/Sodium_stearoyl_lactylate">http://en.wikipedia.org/wiki/Sodium_stearoyl_lactylate</a>
Sorbic acid	4	<a href="http://en.wikipedia.org/wiki/Sorbic_acid">http://en.wikipedia.org/wiki/Sorbic_acid</a>
Sorbitol	3	<a href="http://en.wikipedia.org/wiki/Sorbitol">http://en.wikipedia.org/wiki/Sorbitol</a>
Soybean Oil	3	<a href="http://en.wikipedia.org/wiki/Soybean_oil">http://en.wikipedia.org/wiki/Soybean_oil</a>
Soy lecithin	3	<a href="http://en.wikipedia.org/wiki/Lecithin">http://en.wikipedia.org/wiki/Lecithin</a>
Spices	3	<a href="http://en.wikipedia.org/wiki/Spice">http://en.wikipedia.org/wiki/Spice</a>
Strawberries	2	<a href="http://en.wikipedia.org/wiki/Garden_strawberry">http://en.wikipedia.org/wiki/Garden_strawberry</a>
Sucralose	7	<a href="http://en.wikipedia.org/wiki/Sucralose">http://en.wikipedia.org/wiki/Sucralose</a>
Sucrose	4	<a href="http://en.wikipedia.org/wiki/Sucrose">http://en.wikipedia.org/wiki/Sucrose</a>
Sucrose acetate isobutyrate	4	<a href="http://en.wikipedia.org/wiki/Sucrose_acetate_isobutyrate">http://en.wikipedia.org/wiki/Sucrose_acetate_isobutyrate</a>
Sugar	4	<a href="http://en.wikipedia.org/wiki/Sugar">http://en.wikipedia.org/wiki/Sugar</a>
Sulfites	8	<a href="http://en.wikipedia.org/wiki/Sulfite">http://en.wikipedia.org/wiki/Sulfite</a>
Sulfiting Agent	8	<a href="http://www.fmi.org/media/bg/?fuseaction=sulfites">http://www.fmi.org/media/bg/?fuseaction=sulfites</a>
Sulfur dioxide	8	<a href="http://en.wikipedia.org/wiki/Sulfur_dioxide">http://en.wikipedia.org/wiki/Sulfur_dioxide</a>
Tapioca	3	<a href="http://en.wikipedia.org/wiki/Tapioca">http://en.wikipedia.org/wiki/Tapioca</a>
Tapioca dextrin	3	<a href="http://en.wikipedia.org/wiki/Tapioca">http://en.wikipedia.org/wiki/Tapioca</a>
Tapioca starch	3	<a href="http://en.wikipedia.org/wiki/Tapioca">http://en.wikipedia.org/wiki/Tapioca</a>
Taurine	3	<a href="http://en.wikipedia.org/wiki/Taurine">http://en.wikipedia.org/wiki/Taurine</a>
Tea	3	<a href="http://en.wikipedia.org/wiki/Tea">http://en.wikipedia.org/wiki/Tea</a>
TBHQ	6	<a href="http://en.wikipedia.org/wiki/Tert-Butylhydroquinone">http://en.wikipedia.org/wiki/Tert-Butylhydroquinone</a>
Titanium Dioxide	6	<a href="http://en.wikipedia.org/wiki/Titanium_dioxide">http://en.wikipedia.org/wiki/Titanium_dioxide</a>
Tocopherol	2	<a href="http://en.wikipedia.org/wiki/Tocopherol">http://en.wikipedia.org/wiki/Tocopherol</a>
Tomato powder	2	<a href="http://en.wikipedia.org/wiki/Sun-dried_tomato">http://en.wikipedia.org/wiki/Sun-dried_tomato</a>
Trisodium phosphate	3	<a href="http://en.wikipedia.org/wiki/Trisodium_phosphate">http://en.wikipedia.org/wiki/Trisodium_phosphate</a>
Turmeric color	3	<a href="http://en.wikipedia.org/wiki/Turmeric">http://en.wikipedia.org/wiki/Turmeric</a>

Unbleached Flour	2	<a href="http://www.livestrong.com/article/482413-is-unbleached-enriched-wheat-flour-good-for-you/">http://www.livestrong.com/article/482413-is-unbleached-enriched-wheat-flour-good-for-you/</a>
Vanilla extract	3	<a href="http://en.wikipedia.org/wiki/Vanilla">http://en.wikipedia.org/wiki/Vanilla</a>
Vanillin	4	<a href="http://en.wikipedia.org/wiki/Vanillin">http://en.wikipedia.org/wiki/Vanillin</a>
Vegetable oil	3	<a href="http://en.wikipedia.org/wiki/Vegetable_fats_and_oils">http://en.wikipedia.org/wiki/Vegetable_fats_and_oils</a>
Vinegar	4	<a href="http://en.wikipedia.org/wiki/Vinegar">http://en.wikipedia.org/wiki/Vinegar</a>
Vitamin A	2	<a href="http://en.wikipedia.org/wiki/Vitamin_A">http://en.wikipedia.org/wiki/Vitamin_A</a>
Vitamin B12	2	<a href="http://en.wikipedia.org/wiki/Vitamin_B12">http://en.wikipedia.org/wiki/Vitamin_B12</a>
vitamin B3	2	<a href="http://en.wikipedia.org/wiki/Niacin">http://en.wikipedia.org/wiki/Niacin</a>
Vitamin B5	2	<a href="http://en.wikipedia.org/wiki/Pantothenic_acid">http://en.wikipedia.org/wiki/Pantothenic_acid</a>
Vitamin B6	2	<a href="http://en.wikipedia.org/wiki/Vitamin_B6">http://en.wikipedia.org/wiki/Vitamin_B6</a>
Vitamin E	2	<a href="http://en.wikipedia.org/wiki/Vitamin_E">http://en.wikipedia.org/wiki/Vitamin_E</a>
Vitamin C	2	<a href="http://en.wikipedia.org/wiki/Vitamin_C">http://en.wikipedia.org/wiki/Vitamin_C</a>
Vitamin D3	2	<a href="http://en.wikipedia.org/wiki/Vitamin_D">http://en.wikipedia.org/wiki/Vitamin_D</a>
Water	1	<a href="http://en.wikipedia.org/wiki/Water">http://en.wikipedia.org/wiki/Water</a>
Wheat Flour	2	<a href="http://en.wikipedia.org/wiki/Wheat_flour">http://en.wikipedia.org/wiki/Wheat_flour</a>
Whey	2	<a href="http://en.wikipedia.org/wiki/Whey">http://en.wikipedia.org/wiki/Whey</a>
Whey protein concentrate	2	<a href="http://en.wikipedia.org/wiki/Whey_protein">http://en.wikipedia.org/wiki/Whey_protein</a>
Whey protein isolate	2	<a href="http://en.wikipedia.org/wiki/Whey_protein">http://en.wikipedia.org/wiki/Whey_protein</a>
Whey protein lactose	3	<a href="http://en.wikipedia.org/wiki/Whey_protein">http://en.wikipedia.org/wiki/Whey_protein</a>
White mineral oil	6	<a href="http://en.wikipedia.org/wiki/Mineral_oil">http://en.wikipedia.org/wiki/Mineral_oil</a>
Whole Corn	2	<a href="http://en.wikipedia.org/wiki/Whole_grain">http://en.wikipedia.org/wiki/Whole_grain</a>
Whole wheat flour	2	<a href="http://en.wikipedia.org/wiki/Whole-wheat_flour">http://en.wikipedia.org/wiki/Whole-wheat_flour</a>
Xanthan gum	4	<a href="http://en.wikipedia.org/wiki/Xanthan_gum">http://en.wikipedia.org/wiki/Xanthan_gum</a>
Yeast	3	<a href="http://en.wikipedia.org/wiki/Yeast">http://en.wikipedia.org/wiki/Yeast</a>
Yellow 5	7	<a href="http://en.wikipedia.org/wiki/Tartrazine">http://en.wikipedia.org/wiki/Tartrazine</a>
Yellow 5 Lake	7	<a href="http://en.wikipedia.org/wiki/Tartrazine">http://en.wikipedia.org/wiki/Tartrazine</a>
Yellow 6	8	<a href="http://en.wikipedia.org/wiki/Sunset_Yellow_FCF">http://en.wikipedia.org/wiki/Sunset_Yellow_FCF</a>
Yellow 6 Lake	8	<a href="http://en.wikipedia.org/wiki/Sunset_Yellow_FCF">http://en.wikipedia.org/wiki/Sunset_Yellow_FCF</a>

Zinc gluconate

4

[http://en.wikipedia.org/wiki/Zinc\\_gluconate](http://en.wikipedia.org/wiki/Zinc_gluconate)

## LEGEND and calculation directions

**Green** – nutrient (necessary); **Yellow** – benign food additive (acceptable); **Red** – foreign food additive (no place in the human body). Basically, the greener DyeDiet diagram, the healthier the product is. Even single red segment signals that the food unsafe. The more red looks the diagram, the more risky and less healthy the product is.

$$\text{DyeDiet Foreign (Food Additive) Impact, DDFI} = \frac{\text{Sum of all RED DDRFs}}{\text{Sum of all GREEN DDRFs}}$$

$$\text{DyeDiet Nutritional Factor, DDNF} = \frac{\text{Sum of all GREEN DDRFs}}{\text{Sum of [ all RED DDRFs + all YELLOW DDRFs]}}$$

As soon as you have DDFI and DDNF values calculated you can make your decision about a product.

- The RECOMMENDATION would be to *reject* any product with **DDFI > 0.9** ([exceeding 0.9, high risks](#)) and **DDNF < 0.9** ([below 0.9, low nutritional values](#)).
- The PREFERENCES would be **DDFI = 0 (zero)** when no foreign food additives present in a food (no red marked additives) and *highest possible DDNF*, say in **3 - 6 and higher** unit range, for instance.

Please note that the DyeDiet approach is only good for *processed* food products containing *at least one food additive* (either red or yellow) and it is *NOT applicable to the whole foods* for which DDNF values would have been impossible to calculate because the sum of “red” and “yellow” additives in the above DDNF equation turns 0 (zero). Indeed, when you eat whole food there is *no intrinsic toxicity* involved if you follow the “golden rule” of eating in [moderation](#) whereas benign (yellow) and especially foreign (red) food additives may pose health problems even if consumed in moderation for an extended time ([chronic toxicity](#)).

So good luck with using DyeDiet approach and making *less risky* food choices for you and your children!