

<a href="#">R.J. Reynolds List of Cigarette Ingredients 2019*</a>		Most of these ingredients are commonly used in foods and beverages, or permitted for use in foods by the U.S. Food and Drug Administration (FDA), or have been given the status "Generally Recognized as Safe in Foods" (GRAS) by FDA or other recognized expert committee, organization or regulatory body.	
* Highlighted yellow = flavor/aroma (almost all the items in this ingredient list have to do with flavor or aroma. A few have been highlighted to give an example)			
Ingredient	Description	Ingredient	Description
Acetanisole	is an aromatic chemical compound with an aroma described as sweet, fruity, nutty, and similar to vanilla.	Immortelle (Absolute and Extract)	aromatic - warm sweet caramel hay fruity honey tobacco
Acetic Acid	flavoring agent with a flavor profile of Acid, Fruit, Pungent, Sour, Vinegar	Invert Sugar	sweetner
Acetoin	is one of the compounds that gives butter its characteristic flavor.	Ionone, Beta-	Odor Description: Floral, Orris, Fruity, Berry, Woody.
Acetophenone	an ingredient in fragrances that resemble almond, cherry, honeysuckle, jasmine, and strawberry.	Isoamyl Acetate	flavoring agent described as tasting like banana
Acetylpyrazine	has a role as a flavouring agent. It has been identified as one of the volatile flavor constituents in popcorn, bread crust, vinegar, and potato snacks.	Isoamyl Benzoate	fruity odor
Acetylpyridine, 2-	flavoring agent with a flavor profile of popcorn and roasted nuts.	Isoamyl Butyrate	flavoring agent used to make fruit juice flavors
Acetylpyridine, 3-	flavoring agent with a flavor profile of savory.	Isoamyl Isovalerate	Used as an apple flavoring
Alanine, DL-	flavor enhancer	Isoamyl Phenylacetate	floral scent
Alginate, Ammonium	stabilizer, thickener	Isobutyl Cinnamate	flavoring agent, balsamic, fruity
Ammonium Hydroxide		Isobutyl Phenylacetate	flavoring agent - honey
Ammonium Phosphate, Dibasic		Isobutyl-3-Methoxypyrazine, 2-	flavoring agent - bell pepper
Amyl Butyrate	flavoring agent - banana	Isobutylphenethyl Alcohol, Alpha-	flavoring agent
Amyris Oil	Odor description: woody	Isobutyraldehyde	flavoring agent - caramel, cocoa
Anethole, Trans-	flavoring agent - anise	Isobutyric Acid	flavoring agent- butter
Anisyl Acetate	flavoring agent - vanilla, almond	Isophorone	
Apple Juice Concentrate	Apple	Isovaleric Acid	
Arginine, L-		Jasmine, Oil	
Ascorbic Acid		Labdanum Absolute	
Aspartic Acid, L-		Labdanum Oil	
Balsam Tolu		Lactic Acid	
Beeswax Absolute		Lauric Acid	
Benzaldehyde		Levulinic Acid	
Benzoic Acid		Licorice (Extract and Powder)	Licorice
Benzyl Alcohol		Linalool	
Benzyl Benzoate		Linalyl Acetate	
Benzyl Cinnamate		Lovage (Extract, Root and Oil)	
Brown Sugar	Sweet	Lysine, L-	
Buten-2-one, 4-(2-Furyl)-3-		Malic Acid	
Butter Starter Distillate		Malt Extract	
Butyl Isovalerate		Maltodextrin	
Butyric Acid		Maltol	
Caramel Color		Mate Absolute	
Carbon		Menthol	
Carbon Dioxide		Methoxy-3-Methylpyrazine, 2-	
Cardamom Oil		Methoxy-4-Methylphenol, 2-	
Cardamom Powder	Spice	Methoxybenzaldehyde, P-	
Carob (Extract and Powder)	Flavoring agent - chocolate	Methyl Acetophenone	
Carob Bean Extract		Methyl Linoleate	
Carrot Seed Oil		Methyl Linolenate	
Carvone, L-		Methyl-3,5-Heptadien-2-One, 6-	
Caryophyllene Oxide, Beta -		Methyl-5-Hepten-2-One, 6-	
Caryophyllene, Beta -		Methylbutyraldehyde, 3-	
Castoreum Extract		Methylbutyric Acid, 2-	
Cellulose		Methylcyclopentenolone	
Chicory Extract	herb	Methylpyrazine, 2-	
Chocolate Liquor	Chocolate, alcohol	Methylvaleric Acid, 2-	
Cinnamaldehyde	spice	Methylvaleric Acid, 3-	
Cinnamic Acid		Molasses	sweetner
Cinnamon Bark Oil		Myrrh Absolute	

Cinnamyl Acetate		Myrrh Extract and Oil	
Cinnamyl Alcohol		Naphtho[2,1-B]Furan, Dodecahydro-3A,6,6,9A-Tetramethyl	
Citric Acid		Neroli, Bigarade Oil	
Citronella Oil		Nerolidol	
Clary Oil		Nonalactone, Gamma-	
Cocoa (Extract, Powder and Extractive)	cocoa	Nonanoic Acid	
Coffee Beans, Ground and Extract		Nutmeg Oil	nutmeg
Cognac, Green, Oil	fruity alcohol	Octalactone, Gamma-	
Coriander Oil		Octanoic Acid	
Corn Mint Oil		Octen-3-ol, 1-	
Corn Syrup		Octenal, (2e)-2-	
Cresyl Acetate, P-		Orange Oil Sweet Terpeneless	Orange
Cresyl Isovalerate, P-		Orris Root Extract	
Damascenone, Beta-		Oxacycloheptadec-10-en-2-one	
Damascone, Beta-		Pentadecalactone	
Damascone, Cis-Beta-		Pentanedione, 2,3-	
Davana Oil		Pentanone, 2-	
Decalactone, Delta-		Pepper, Black, Oil	Pepper
Decalactone, Gamma-		Peppermint Oil, Terpeneless	Peppermint
Decanoic Acid		Peru Balsam Oil	
Decanoic Acid, Ester With 1,2,3-Propanetriol Octanoate		Phenethyl Acetate	
Dextrose		Phenylacetaldehyde	
Diethylpyrazine, 2,3-		Phenylacetic Acid	
Dimethoxyphenol, 2,6-		Phenylethyl Alcohol	
Dimethyl-3-Hydroxy-2,5-Dihydrofuran-2-One, 4,5-		Phosphoric Acid	
Dimethylpyrazine, 2,5-		Pineapple Juice Concentrate	Pineapple
Dodecalactone, Delta-		Pinene, Alpha-	
Ethyl 2-Methylbutyrate		Pinene, Beta-	
Ethyl Acetate		Piperonal	
Ethyl Alcohol		Pipsissewa Leaf Extract	
Ethyl Benzoate		Plum Extract	Plum
Ethyl Butyrate		Polyethylene Glycol	
Ethyl Caproate		Potassium Carbonate	
Ethyl Cinnamate		Potassium Sorbate	
Ethyl Cyclotene		Propionic Acid	
Ethyl Heptanoate		Propyl Acetate	
Ethyl Isovalerate		Propylene Glycol	
Ethyl Lactate		Propylideneophthalide, 3-	
Ethyl Levulinate		Prune Juice Concentrate	Prune
Ethyl Maltol		Pulp, Cellulose	
Ethyl Myristate		Pyroligneous Acids, Hickory	
Ethyl Pentanoate		Rose Oil Turkish	
Ethyl Phenylacetate		Rosemary Oil	
Ethyl Vanillin		Rum Ether	Rum flavoring
Ethyl-2,6-Dimethylpyrazine, 3-		Sage Oil	herb
Ethyl-2-Methylpyrazine, 3-		Salicylaldehyde	
Ethyl-3,(5 Or 6)-Dimethylpyrazine, 2-		Sandalwood, Yellow, Oil	
Ethyl-3-Hydroxy-4-Methyl-2(5H)-Furanone, 5-		Sodium Bicarbonate	
Ethylguaiaicol, 4-		Sodium Carbonate	
Eucalyptol		Sodium Citrate	
Fenugreek Extract		Spearmint Oil	spearmint
Fenugreek Seed and Absolute		Specially Denatured Alcohol #4	
Fig Extract	fig	Specially Denatured Rum #4	
Fig Juice Concentrate	fig	Styrax	
Furaneol		Sucrose	
Geraniol		Sugar Beet Juice Concentrate	sweetner
Geranium Oil		Tartaric acid (d-, l-, dl-, meso-)	
Geranyl Acetone		Terpineol, Alpha-	
Ginger Extract	spice	Terpinyl Acetate	
Glycerides, Mixed Decanoyl and Octanoyl		Tetrahydroquinoxaline, 5,6,7,8-	
Glycerin		Tetramethylpyrazine, 2,3,5,6-	
Graphite		Tolyl Isobutyrate	
Guaiaicol		Tolyl Phenylacetate, P-	
Guar Gum		Triacetin	
Gum Benzoin, Sumatra		Triethyl Citrate	

Heptalactone, Gamma-		Trimethylcyclohex-2-Ene-1,4-Dione, 2,6,6-	
Heptanoic Acid		Trimethylpyrazine, 2,3,5-	
Hexalactone, Gamma-		Undecalactone, Delta-	
Hexanoic Acid		Undecalactone, Gamma-	
Hexanol, 1-		Urea	
Hexen-1-ol, Cis-3-		Valerian Root Oil	
Hexen-1-yl Acetate, Cis-3-		Valerolactone, Gamma-	
Hexyl Acetate		Vanilla Extract	vanilla
Hexyl Phenylacetate		Vanillin	
High Fructose Corn Syrup		Vanitrope (Propenyl Guaethol)	
Honey	honey, sweetner	Veratraldehyde	
Hydrogenated Glucose Syrup		Water	
Hydroxyphenyl-2-Butanone, 4-p-		Wheat Absolute	
Source of ingredients: <a href="https://rjrt.com/commercial-integrity/ingredients/cigarette-ingredients/">https://rjrt.com/commercial-integrity/ingredients/cigarette-ingredients/</a>			
Ingredient descriptions sourced via internet searches			
Kim Murray - Oppose HF904 - Ban on flavored vapor products			
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