Perfumes and Flavours Technology Handbook

Author: H. Panda
Format: Paperback
ISBN: 9788178331287
Code: NI227
Pages: 704
Price: Rs. 1,875.00  US$ 150.00
Publisher: Asia Pacific Business Press Inc.
Usually ships within 5 days

Perfumes & flavours with their products are part & parcel of our everyday life. The demand worldwide for perfumes is enormous & constantly on the increase. The perfume & flavour industry has become a major business. Mans search for substances which can produce new flavours & perfumes, substitute for expensive & or scarce ones, or augment & enhance existing desirable ones continuous a pace. The manufacture of perfume oils & flavouring compounds is an art & it means metering of the individual components in accordance with the formula, followed by blending for homogenization. But in all perfume & flavour house the oil formulas are among the best kept secrets & represent the knowhow. They play a major role in the success of the companies. Odors are also commonly called scents, which can refer to both pleasant and unpleasant odors. The terms fragrance and aroma are used primarily by the food and cosmetic industry to describe a pleasant odor, and are sometimes used to refer to perfumes. The odours are classified in various kinds such as floral, woody, rustic, balsamic, fruity, animal etc. There are numerous types of applications of perfumes in modern industrialized society such as perfumes used in soaps & detergents, paints, adhesives, air deodorants, cosmetics, toilet & beauty preparations, textiles, beverages, foods, medicines, and many more. The global flavour industry can be characterized as highly technical, specialized, and innovative. This industry is highly competitive and concentrated, compared to other product categories within the food and beverage market. The global flavours market is predicted to grow at a Compound Annual Growth Rate (CAGR) of 2% per annum.
The present book deals with the new techniques & manufacturing processes with formulae of different useful and demandable perfumes and flavours. This book will definitely help not only to perfumers & flavour chemists but to all upcoming entrepreneurs, scientists, technocrats etc.

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Tagetes
Tamarind
Tansy
Thyme
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Tolu Balsam (Resinoid)
Tonka Beans (Absolute)
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Valerian
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Wormwood
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Acetate C-9
Acetate C-10
Acetate C-11
Acetate C-12
Acetatepa
Acetic Glacial (Pure)
Acetophenone
Alcohol C-7
Alcohol C-8
Alcohol C-9
Alcohol C-10
Alcohol C-11 (Undecylenic)
Alcohol C-11 (Undecylic)
Alcohol C-12
Alcohol C-16
Aldehyde C-7
Aldehyde C-8
Aldehyde C-9
Aldehyde C-10
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Aldehyde C-11 (Undecylic)
Aldehyde C-12 (Lauric)
Aldehyde C-12 (Mna)
Aldehyde C-14 (Myristic)
Aldehyde C-14 (Pure)
Aldehyde C-16 (Pure)
Aldehyde C-18
Aldehyde C-19
Aldehyde C-20
Allyl Sulfide
Ambrettolide
Amyl Benzoate
Amyl Butyrate
Amyl Cinnamic Aldehyde
Amyl Phenyl Acetate
Amyl Propionate
Anethole
Angelic Acid
Anisic Acid
Anisic Alcohol
Anisic Aldehyde
Anisole
Anisyl Acetate
Anisyl Formate
Anthranilic Acid
Benzaldehyde
Benzoic Acid
Benzyl Acetate
Benzyl Benzoate
Benzyl Cinnamate
Benzyl Formate
Benzyl Phenyl Acetate
Benzyl Propionate
Benzyl Salicylate
Benzyl Valerianate
Bornyl Acetate
Bromo Styrol
Butyl Benzoate
Butyric Acid
Butyric Aldehyde
Cadinene
Capric Acid
Caproic Acid
Caprylic Acid
Carvacrol
Caryophyllene
Cedrene
Cedryl Acetate
Cinnamic Acid
Cinnamic Aldehyde
Cinnamyl Acetate
Cinnamyl Benzoate
Cinnamyl Cinnamate
Cinnamyl Formate
Citral
Citric Acid
Citronellal
Citronellyl Acetate
Citronellyl Butyrate
Citronellyl Formate
Citronellyl Propionate
Citronellyl Valerianate
Coumarin
Coumarin Acid
P-cresyl Acetate
P-cresyl Phenyl Acetate
Cuminic Aldehyde
Cymol
Dimethyl Benzyl Carbinyl Acetate
Dimethyl Octanol
Dimethyl Phenyl Carbinyl Acetate
Diphenyl Oxide
Epoxy Linalyl Acetate
Ethyl Acetoacetate
Ethyl Alcohol
Ethyl Anisate
Ethyl Anthranilate
Ethyl Benzoate
Ethyl Caproate
Ethyl Cinnamate
Ethyl Formate
Ethyl Hexyl Carbinyl Acetate
Ethyl Linalyl Acetate
Ethyl Phenyl Acetate
Ethyl Salicylate
Eugenol
Eugenol Acetate
Fenchene
Formic Acid
Fumaric Acid
Geraniol
Geranyl Acetate
Geranyl Butyrate
Geranyl Caproate
Geranyl Phenyl Acetate
Geranyl Propionate
Heliotropin
Heptane
Heptanoic Acid
Indole
 Ionone
Isoamyl Acetate
Isoamyl Salicylate
Isobutyl Acetate
Isobutyl Benzoate
Isobutyl Cinnamate
Isobutyl Phenyl Acetate
Isobutyl Quinoline
Isobutyl Salicylate
Isopropyl Anthranilate
Lactic Acid
Lauric Acid
Linalool
Linalyl Acetate
Linalyl Butyrate
Linalyl Cinnamate
Linalyl Formate
Linalyl Propionate
Linalyl Valerianate
Malic Acid
Menthol
Menthone
Menthol Acetate
P-methoxy Phenylbutyl Acetate
Methyl Alcohol
Methyl Anisate
Methyl Anthranilate
Methyl Benzoate
Methyl Butyrate
Methyl Cinnamate
Methyl Eugenol
Methyl Hexyl Carbinyl Acetate
Methyl Phenyl Acetate
Methyl Salicylate
Musk Ambrette
Musk Ketone
Musk Xylol
Myrcene
Nerol
Nerolin
Neryl Acetate
Nonoic Acid
\( \gamma \)-octa Lactone
Octylene
Ocymene
Oxalic Acid
Phenyl Acetaldehyde
Phenyl Acetic Acid
Phenyl Ethyl Acetate
Phenyl Ethyl Alcohol
Phenyl Ethyl Anthranilate
Phenyl Ethyl Butyrate
Phenyl Ethyl Cinnamate
Phenyl Ethyl Formate
Phenyl Ethyl Phenyl Acetate
Phenyl Ethyl Propionate
Phenyl Ethyl Salicylate
Phenyl Propyl Acetate
Phenyl Propyl Alcohol
Phenyl Propyl Butyrate
Phenyl Propyl Formate
Pinene
Propionic Acid
Propyl Alcohol
Propyl Formate
Pulegone
Pyroligneous Acid
Rhodinol
Rhodinyl Acetate
Rhodinyl Formate
Sabinene
Safrole
Salicylic Acid
Santalene
Santalol
Santalyl Acetate
Santene
Sebacic Acid
Skatole
Styralyl Acetate
Styrol
Succinic Acid
Tannic Acid
Tartaric Acid
Terpineol
Terpinyl Acetate
Terpinyl Formate
Terpinyl Propionate
Thymol
Tiglic Acid
Trichloromethylphenyl Carbinyl Acetate
Umbelliferone
Undecylenic Acid
Valerianic Acid
Vanillin
Vetiver Acetate

Yara Yara

9. AROMATIC CHEMICALS USED IN FLAVOUR AND PERFUME COMPOUNDS

Acetophenone
Amyl Cinnamic Aldehyde
Amyl Salicylate
Anisic Aldehyde
Benzaldehyde
Benzyl Acetate
Benzyl Alcohol
Benzyl Benzoate
Benzyl Cinnamate
Benzyldene Acetone
Benzyl Salicylate
Borneol
Bornyl Acetate
Cinnamic Acid
Cinnamic Alcohol
Cinnamic Aldehyde
Citral
Citronellal
Citronellol
Coumarin
P-cresyl Acetate
P-cresyl Methyl Ether
Cyclamen Aldehyde
Diphenyl Ketone
Diphenyl Oxide
Eugenol
Geraniol
Heliotropin
Hydroxycitronellal
Indole
Ionone
Linalool
Linalyl Acetate
Methyl Anthranilate
Methyl Heptyne Carbonate
P-methyl Quinoline
Methyl Salicylate
Musk Ambrette
Musk Ketone
Musk Xylene
Nerol
\(\gamma\text{-nonalactone}\)
Phenylacetaldehyde
Pheny Acetic Acid
Phenyl Ethyl Acetate
Phenyl Ethyl Alcohol
Rose Crystals
Rose Oxide
Terpineol
\( \gamma \text{-undelactone} \)
Vanillin

10. NATURAL ODOURS OF AROMATIC CHEMICALS

Balsamic
Citrus
Fatty
Flowery
Grassy
Green-Floral
Harsh-Pungent
Herb-Like
Leaf-Green
Muskly
Odorless-Faint
Waxy
Woody
Acacia
Bergamot
Carnation
Cassia
Chrysanthemum
Clove
Clover
Cyclamen
Fern
Frangipani
Gardenia
Geranium
Hawthorn
Heliotrope
Honeysuckle
Hyacinth
Iris
Jasmine
Jonquil
Lavender
Lilac
Lily of the Valley
Linden
Magnolia
Mignonette
Mimosa
Moon Flower
Morning Glory
Moss
Musk
Narcissus
Orange Blossom
Orchid
Patchouli
Pine (Needles)
Rose
Sweet Pea
Syringa
Tobacco
Trefle
Tuberose
Verbena
Violet
Wallflower
Wisteria
Wintergreen
Ylang Ylang
Seaweed (Algae)
Adonis
Forsythia
Fringe Tree
Fixatives for Perfumes
Ambergris

11. BASIC FLAVOURING MATERIALS

Introduction
Natural Flavors Simulated with Synthetic Chemicals

FRUITY

Fruity

FRESH FRUIT

Apple

Apricot

Barberry

Bilberry

Blackberry

Black Currant

Blueberry

Cherry (Sweet and Sour)

Cranberry

Date

Gooseberry

Grape

Grape Fruit

Hop

Huckleberry

Lemon

Lime

Loganberry

Mandarin

Melon (Watermelon)

Mulberry
Orange
Peach (Freestone, Clin Gstone, Nectarine)
Pear
Plum (Prunes)
Pomegranate
Quince
Raspberry
Red Currant
Strawberry
TROPICAL FRUITS
Avocado
Banana
Cherimoya
Coconut
Guava
Mango
Papaya
Pineapple (Ananas)
DRY FRUITS
Almond, Bitter
Brazil Nut (Cream Nut, Butter Nut, Pura Nut, Shenut)
Cashew Nut
Chestnut
Hazelnut (Cobnuts, Filbert)
Macadamia (Queensland Nut)
Peanut
Pecan
Pistachio
Walnut

NATURALLY SWEET PRODUCTS
Honey
Licorice
Maple
Vanilla Beans
Woodruff

DAILY BEVERAGES
Cocoa-chocolate
Coffee
Kola
Tea
Alcoholic Beverages
Beer
Bitters
Cognac
Fermented Drinks
Fortified Beverages
Light or Still
Rum
Sparkling Wines
Vermouth
Whiskey

DAIRY PRODUCTS
Butter
Cheese
Milk
Yogurt

CULINARY ADDITIVES
Capsicum
Cucumber
Garlic
Hickory
Mustard
Onion
Paprika
Saffron
Smoke
Tarragon
Tomato

Turmeric

12. AROMATIC CHEMICALS USED IN FLAVOUR COMPOUNDING
Aldehyde C-18
Anethole
Anisaldehyde
Benzaldehyde
Benzyl Butyrate
Bourbonal
Carvone
Cinnamic Aldehyde
Cinnamyl Alcohol
Cinnamyl Butyrate
Cinnamyl Propionate
Citral
Citronellol
Coumarin
Cumic Aldehyde
Decyl Acetate
N-decyl Alcohol
N-decyl Aldehyde
Dodecyl Aldehyde
Ethyl Acetate
Ethyl Acetoacetate
Ethyl Benzoate
Ethyl Butyrate
Ethyl Malonate
Ethyl Myristate
Ethyl Oenanthate
Ethyl Pelargonate
Ethyl Propionate
Ethyl Sebacate
Ethyl Valerate
Eugenol
Geraniol
Geranyl Acetate
Geranyl N-butyrate
Heliotropin
Heptylic Aldehyde
Hydrocinnamic Aldehyde
Hydroxycitronellal
Ionone
Irone
Isoamyl Acetate
Isoamyl Butyrate
Isoamyl Valerate
Isobutyl Acetate
Isobutyl Butyrate
Isoeugenol
Linalool
Linalyl Acetate
Linalyl Butyrate
Menthol
Methyl Anthranilate
Methyl M-anthranilate
Methyl Eugenol
Methyl Heptyne Carbonate
Methyl Isoeugenol
Methylnonyl Acetaldehyde
Methyl Phenyl Acetate
Methyl Phenyl Glycidate
&betanaphthol Isobutyl
&betanaphthyl Ethyl Ether
Nerol
N-nonyl Alcohol
Nonyl Aldehyde
Octyl Acetate
N-octyl Alcohol
N-octyl Aldehyde
Octyl Butyrate
Phenyl Ethyl Acetate
Phenyl Ethyl Alcohol
Phenyl Ethyl Propionate
Rhodinol
Rhodinyl Acetate
Rhodinyl Butyrate
α-terpineol
Terpinyl Propionate
P-toluyl Aldehyde
N-undelactone
Undecylenic Aldehyde
Vanillin

13. SOLVENTS

Introduction

Solvents commonly used for flavors and perfumes

Acetone
Benzene
Corn Oil
Cottonseed Oil
Cyclohexane
Dibutyl Phthalate
Ethyl Acetate
Ethyl Alcohol
Glycerol
Glyceryl Triacetate
N-hexane
Isopropyl Alcohol
Polysorbate 80
Propylene Glycol
Soybean Oil
Water, Distilled

14. COLORANTS FOR FLAVOURS AND PERFUMES NATURAL COLORS

Alkanet
Annatto
\( \beta \)-Apo-8'-carotenal
Beet
Buckthorn
Campeachy
Canthaxanthin
Caramel
Catechu
Chlorophyll
Cochineal
Cud Bear
Curcuma
Erythrosine
Guanine
Huckleberry
Indigotin
Kino
Mallow Flowers
Paprika
Pernambuco
Pokeyberry
Safflower
Saffron
Sandalwood
Tartrazine
Titanium Dioxide
Turmeric
Ultramarine
Yellowwood
Zinc Oxide

Colors of Common Flavors and Perfumes

15. STABILIZERS
Agar-agar
Arabic Gum
Bean Gums, Locust
Carrageen
Guar Gum
Karaya Gum
Pectin

Tragacanth Gum

16. FORMULATION OF PERFUMES

Acacia
Acetic Acid, Tincture
Alpestrine, Perfume

Amber, Base
Amber, Concrete (Fixative)
Amber, Liquid (Chypre Basis)
Ambergris, Perfume Imitation No. 1
Ambergris, Perfume Imitation No. 2
Ambergris, Tincture

Bergammonia, Disinfectant
Bergamot, Essence (Natural) No. 1
Bergamot, Essence (Natural) No. 2
Bouquet, No. 1 (For Soap)
Bouquet, No. 2 (For Soap)

Bouvardia
Calamus, Imitation No. 1
Calamus, Imitation No. 2

Camphor, Tincture
Cananga (For Soap)
Capsicum
Carnation, Imitation No. 1
Carnation, Imitation No. 2
Carnation (For Soap)
Carnation, Pink (Perfume)
Castor, Tincture No. 1
Castor, Tincture No. 2
Cedrela, Wood Type
Citronella (For Soap)
Coconut, Extract (Natural)
Coconut, Paste
Cologne
Color Base Standard Formula No. 1
Color Base Standard Formula No. 2
Color Mixture
Colors (Natural Dyes)
Cover Odor, Perfume No. 1
Cover Odor, Perfume No. 2
Cover Odor, Perfume No. 3
Cyclamen, Base (Synthetic)
Cyclamen (for Soap)
Deodorant for Cream
Deodorant for Vessels
Deodorant for Water
Deodorants (Masking Agent)
Deodorants (Masking Agent) for Heavy Odors
Deodorants (Masking Agent) Grassy Odors
Diacetyl, Tincture
Eau De Cologne
Eau De Cologne (for Soap)
Eglantine (Wild Rose)
Esters, General Base
Fenugreek, Tincture
Fern (for Soap)
Floral Fragrance (for Soap)
Floral, Imitation No. 1
Floral, Imitation No. 2
Fougere
Fougere, Base (Fern)
Frangipanni, Imitation No. 1
(Acutifolia, Alba, Rubra)
Frangipanni, Imitation No. 2
Frangipanni, Imitation No. 3
Frangipanni, Imitation No. 4
Freshener, Perfume
Gardenia, Base
Geranium
Geranium, Imitation (for Soap)
Geranium, Synthetic
Gingergrass (for Soap)
Girofl, Imitation No. 1
Girofl, Imitation No. 2
Halo, Sea Salt Odor
Hawthorn
Hawthorn (for Soap)
Heliotrope (for Soap)

Herbal Base, Gold Water

Hip, Extract (Natural)

Hip, Imitation No. 1

Honey, Synthetic (for Perfume)

Honeysuckle

Hyacinth

Ionone

Iris

Iris, Synthetic

Jasmine (for Brilliantine)

Jasmine Grandiflora

Jasmine, Imitation No. 1

Jasmine, Imitation No. 2

Jasmine, Imitation No. 3 (for Soap)

Jasmine, Infusion

Jasmine, Synthetic No. 1

Jasmine, Synthetic No. 2

Jasmine, Synthetic No. 3

Jasmine, Synthetic No. 4

Jasmine, Synthetic No. 5

Jasmine, Synthetic No. 6

Jonquil (Daffodil), Imitation

Jonquil (Daffodil), Synthetic

Lavender, Essence (Natural)

Lavender, Imitation No. 1
Lavender, Imitation No. 2
Lavender, Imitation No. 3
Lavender, Imitation No. 4
Lavender, Imitation No. 5
Lavender, Imitation No. 6
Lavender, Imitation No. 7
Lavender, Imitation No. 8
Lavender, Imitation No. 9
Lavender, Imitation No. 10
Lavender, Imitation No. 11
Lavender, Imitation No. 12 (for Soap)
Lavender, Sweet
Leather
Lilac, Imitation No. 1
Lilac, Imitation No. 2
Lilac, Imitation No. 3
Lilac, Imitation No. 4
Lilac, Imitation No. 5
Lilac, Imitation No. 6
Lilac, Imitation No. 7
Lilac, Imitation No. 8
Lilac, Imitation No. 9 (for Soap)
Lilac, Synthetic No. 1 (for Soap)
Lilac, Synthetic No. 2 (for Soap)
Lily, Base
Magnolia
Mignonette (Reseda)
Mimosa, Imitation
Mimosa, Synthetic
Moss
Muguet (Lily of the Valley), Imitation No. 1
Muguet (Lily of the Valley), Imitation No. 2
Muguet (Lily of the Valley), Imitation No. 3
(For Soap)
Muguet (Lily of The Valley), Synthetic No. 1
Muguet (Lily of the Valley), Synthetic No. 2
Musk
Musk, Imitation No. 1 (for Powder)
Musk, Imitation No. 2 (for Soap)
Narcissus, Imitation No. 1 (for Powder)
Narcissus, Imitation No. 2 (for Cologne)
Narcissus, Imitation No. 3 (for Cologne)
Narcissus, Imitation No. 4 Poeticus (for Cologne)
Narcissus, Imitation No. 5 (for Soap)
Narcissus, Synthetic No. 1
Narcissus, Synthetic No. 2
Narcissus, Synthetic No. 3
Narcissus, Synthetic No. 4
Neroli, Imitation No. 1
Neroli, Imitation No. 2
Neroli, Imitation No. 3
Neroli, Imitation No. 4 (for Soap)
Nerolin
Neutroleum, Deodorizing Perfume
New Mown Hay (Foin Coupe), Imitation No. 1
New Mown Hay (Foin Coupe), Imitation No. 2
New Mown Hay (Foin Coupe), Imitation No. 3
Opoponax, Imitation No. 1
Opoponax, Imitation No. 2
Opoponax, Imitation No. 3
Opoponax, Imitation No. 4 (for Soap)
Orange Blossom, Bouquet (for Soap)
Orange Flower, Imitation No. 1
Orange Flower, Imitation No. 2
Orange Flower, Imitation No. 3
Orange Flower, Synthetic No. 4
Orchid, Imitation
Orris Root, Extract (Natural)
Orris Root, Florentine
Orris Root, Synthetic
Pathouli, Imitation No. 1 (for Soap)
Pathouli, Imitation No. 2 (for Toilet Powder)
Pine, Bouquet (for Soap)
Pine, Imitation No. 1
Pine, Imitation No. 2
Pine Needle
Pine Needle, Siberian, Imitation No. 1
Pine Needle, Siberian, Imitation No. 2
Pine Needle, Siberian, Imitation No. 3
Rose, Bulgarian Type
Rose, For Cream

Rose, For Face Powder No. 1

Rose, For Face Powder No. 2

Rose, Imitation No. 1

Rose, Imitation No. 2

Rose, Imitation No. 3

Rose, Imitation No. 4

Rose, Imitation No. 5 (for Cosmetic Cream)

Rose, Imitation No. 6 (for Soap)

Rose, Imitation No. 7

Rose, Imitation No. 8

Rose, Imitation No. 9 (for Perfume)

Rose, Imitation No. 10

Rose, Imitation No. 11

Rose, Imitation No. 12

Rose, Imitation, No. 13

Rose, Imitation No. 14

Rose, Imitation No. 15

Rose, Imitation No. 16

Rose, Imitation No. 17

Rose, Imitation No. 18

Rose, Imitation No. 19

Rose, Imitation No. 20

Rose Macedone

Rose, Moss

Rose, Oil, Synthetic
Rose, Oriental
Rose Otto
Rose, Synthetic No. 1 (General Base for Rose Odor)
Rose, Synthetic No. 2
Rose, Synthetic No. 3
Rose, Synthetic No. 4 (Milk-Like Compound)
Rose, White
Sandalwood Santal, (for Soap)
Sassafras, for Soap No. 1
Sassafras, for Soap No. 2
Sebacic Acid, Stabilizer for Perfume
Soap, Perfume No. 1
Soap, Perfume No. 2
Soap, Perfume No. 3
Soap, Perfume No. 4
Soap, Perfume No. 5
Sweet Pea, Blossom
Syringa, Imitation No. 1
Syringa, Imitation No. 2
Tobacoo for Snuff
Tobacco Perfumes, General Basic Material No. 1
Tobacco Perfumes, General Basic Material No. 2
Tobacco, Strong Odor
Thefl (Clover, Trefoil) (for Soap)
Tuberose, Imitation (for Soap)
Tuberrose, Synthetic
Uny Cologne, Perfume Base
Vaporous Perfume, Imitation No. 1
Vaporous Perfume, Imitation No. 2
Vaporous Perfume, Imitation No. 3
Violet, For Face Powder
Violet, Imitation No. 1
Violet, Imitation No. 2
Violet, Imitation No. 3
Violet, Imitation No. 4 (for Soap)
Violet, Imitation No. 5 (for Soap)
Violet, Imitation No. 6
Violet Leaf
Violet, Synthetic
Wall Flower
Winter Green, Imitation (for Soap)
Ylang Ylang, Imitation No. 1
Ylang Ylang, Imitation No. 2
Ylang Ylang, Imitation No. 3
Ylang Ylang, Imitation No. 4
Ylang Ylang, Imitation No. 5
Ylang Ylang, Synthetic No. 1

Ylang Ylang, Synthetic No. 2

17. FORMULATIONS OF FLAVOURS

General Method for the Extraction of Natural Flavors from Fresh or Dry Fruits

Neutral Esters Mixture Base
Abbey, Benedictine Type
Absinthe
Advocaat (Advokaat)
Allspice, Oil
Almond, Bitter
Almond, Bitter Essence (Natural)
Almond, Bitter (for Soap)
Almond, Bitter Imitation
Almond, Bitter No. 1
Almond, Bitter No. 2
Almond, Bitter No. 3
Almond, Bitter No. 4
Almond, Bitter No. 5
Almond, Bitter No. 6
Almond, Bitter No. 7
Almond, Bitter, Synthetic No. 1
Almond, Bitter, Synthetic No. 2
Almond, Bitter, Synthetic No. 3
Almond, Bitter Synthetic No. 4
Almond, Imitation
Almond, Milk (Orzata)
Almond, Peach
Angelic, Tincture
Angostura, Bitter
Anise Base
Aniseed
Anisette, Oil No. 1
Anisette, Oil No. 2
Apple, Base
Apple, Essence (Natural) No. 1
Apple, Essence (Natural) No. 2
Apple, Essence (Natural) No. 3
Apple, Essence (Natural) No. 4
Apple, Essence (Natural) No. 5
Apple, Imitation No. 1
Apple, Imitation No. 2
Apple, Imitation No. 3
Apple, Imitation No. 4
Apple, Synthetic No. 1
Apple, Synthetic No. 2
Apple, Synthetic No. 3
Apple, Synthetic No. 4
Apple, Synthetic No. 5
Apple, Synthetic No. 6
Apple, Synthetic No. 7
Apple, Synthetic No. 8
Apple, Synthetic No. 9
Apple, Synthetic No. 10
Apple, Synthetic No. 11
Apple, Synthetic No. 12
Apple, Synthetic No. 13
Apple, Synthetic No. 14
Apricot, Essence (Natural) No. 1
Apricot, Essence (Natural) No. 2
Apricot, Imitation No. 1
Apricot, Imitation No. 2
Apricot, Imitation No. 3
Apricot, Imitation No. 4
Apricot, Imitation No. 5
Apricot, Synthetic No. 1
Apricot, Synthetic No. 2
Apricot, Synthetic No. 3
Apricot, Synthetic No. 4
Apricot, Synthetic No. 5

Aubepine (Hawthorn)

Avocado

Banana, Essence (Natural) No. 1
Banana, Essence (Natural) No. 2
Banana, Imitation No. 1
Banana, Imitation No. 2
Banana, Imitation No. 3
Banana, Imitation No. 4
Banana, Imitation No. 5
Banana, Synthetic No. 1
Banana, Synthetic No. 2
Banana, Synthetic No. 3
Banana, Synthetic No. 4
Banana, Synthetic No. 5

Barbecue

Barbecue Sauce, Hunt Type
Barberry, Essence (Natural)

Benedictine No. 1

Benedictine No. 2

Bergamot, Flavor

Bilberry, Essence (Natural) No. 1

Bilberry, Essence (Natural) No. 2, Red

Bilberry, Essence (Natural) No. 3 Scandinavian Type

Bilberry, Imitation No. 1

Bilberry, Imitation No. 2

Bilberry, Imitation No. 3

Bitter No. 1, Unicum

Bitter No. 2, Spanish

Bitter No. 3, Stomach

Blackberry, Essence (Natural)

Blackberry, Imitation No. 1

Blackberry, Imitation No. 2

Blackberry, Imitation No. 3

Blackberry, Synthetic

Black Cherry

Black Currant

Black Currant, Synthetic

Black Pepper, Imitation No. 1

Black Pepper, Imitation No. 2

Blueberry, Essence (Natural)

Brandy (Cognac) No. 1

Brandy (Cognac) No. 2
Bread, Fresh Roasted Flavor
Butter, Flavor, Imitation No. 1
Butter, Flavor, Imitation No. 2
Butter, Flavor, Imitation No. 3
Butter, Flavor, Imitation No. 4
Butter, Flavor, Imitation No. 5
Butter, Flavor, Imitation No. 6
Butter, Flavor, Synthetic
Butter, Rum
Butterscotch, Imitation No. 1
Butterscotch, Imitation No. 2
Butterscotch, Imitation No. 3
Butterscotch, Imitation No. 4
Butterscotch, Imitation No. 5
Butterscotch, Imitation No. 6
Cacao, Extract (Natural) No. 1, Colorless
Cacao, Extract (Natural) No. 2, Brown
Cacao, Imitation
Cacao, Synthetic
Cake, Flavor No. 1
Cake, Flavor No. 2
Caper, Extract (Natural)
Capsicum, Extract (Natural)
Caramel, Flavor No. 1
Caramel, Flavor No. 2
Caraway, Imitation No. 1
Caraway, Imitation No. 2
Caraway, Imitation No. 3
Caraway, Imitation No. 4
Caraway, Imitation No. 5
Cardamom, Imitation No. 1
Cardamom, Imitation No. 2
Carnation, Flavor
Carrot, Extract (Natural)
Cascarilla, Tincture
Cashew, Extract (Natural)
Cassia, Imitation No. 1
Cassia, Imitation No. 2
Cassia, Imitation No. 3
Cassia, Imitation No. 4
Cassia, Imitation No. 5
Cassia, Imitation No. 6
Cassia, Imitation No. 7
Cassia, Imitation No. 8
Cassia, Imitation No. 9
Champagne, Cedar, Imitation
Champagne, Flavor
Chartreuse
Chartreuse (Liqueur) No. 1
Chartreuse (Liqueur) No. 2
Cheese, Blue, Synthetic No. 1
Cheese, Blue, Synthetic No. 2
Cheese Roquefort Type
Cheese, Synthetic
Cherimoya, Synthetic
Cherry Black, Essence (Natural)
Cherry Blossom, No. 1
Cherry Blossom No. 2
Cherry Brandy, No. 1
Cherry Brandy, No. 2
Cherry Brandy, Synthetic
Cherry, Imitation No. 1
Cherry, Imitation No. 2
Cherry, Imitation No. 3
Cherry, Imitation No. 4
Cherry, Imitation No. 5
Cherry, Imitation No. 6
Cherry, Imitation No. 7
Cherry, Imitation No. 8
Cherry, Imitation No. 9
Cherry, Imitation No. 10
Cherry, Imitation No. 11
Cherry, Imitation No. 12
Cherry, Imitation No. 13
Cherry, Imitation No. 14
Cherry, Imitation No. 15
Cherry, Imitation No. 16
Cherry, Imitation No. 17
Cherry Red Essence (Natural) Agri
Cherry, Synthetic No. 1
Cherry, Synthetic No. 2
Cherry, Synthetic No. 3
Cherry, Synthetic No. 4
Cherry, Synthetic No. 5
Cherry, Synthetic No. 6
Cherry, Synthetic No. 7
Cherry, Synthetic No. 8
Cherry, Synthetic No. 9
Cherry Wild, Agriot, Synthetic
Chervil, Essence (Natural)
Chocolate, Essence (For Praline Liqueur)
Chocolate, Flavor (Natural)
Chocolate, Flavor, Synthetic
Chocolate, Hardener
Chypre, Base for Bouquet (Aroma of Wine and Liquor)
Cinnamon, Imitation
Citrus Fruits, Extract from Peels
Clove
Coca, Flavor
Cocoa, Essence (Natural)
Coffee, Extract (Natural) No. 1, Brown
Coffee, Extract (Natural) No. 2, Colorless
Coffee, Extract (Natural) No. 3 Brown
Coffee, Extract (Natural) No. 4, Colorless
Coffee, Imitation No. 1
Coffee, Imitation No. 2
Coffee, Imitation No. 3
Coffee, Synthetic
Cognac, Base, Synthetic
Cognac, Imitation No. 1
Cognac, Imitation No. 2
Cognac, Imitation No. 3
Cognac, Imitation No. 4
Cognac, Imitation No. 5
Cognac, Imitation No. 5
Cognac, Imitation No. 6
Cognac, Imitation No. 7
Cola, Imitation No. 1 (Syrup)
Cola, Imitation No. 2 (Syrup)
Cola, Tincture
Coriander, Imitation No. 1
Coriander, Imitation No. 2
Cranberry
Cranberry, Synthetic
Cream Paste
Crystal Beverages
Cucumber, Extract (Natural)
Cucumber Milk (for Cosmetics)
Culinary, Extract (Natural)
Curacao, Imitation No. 1, Liquor Base
Curacao, Imitation No. 2, Liquor Base
Curacao, Imitation No. 3, Liquor Base
Curacao, Imitation No. 4 Liquor Base
Curacao, Imitation No. 5, Liquor Base
Curacao, Imitation No. 6
Currant, Extract (Natural) No. 1
Currant, Extract (Natural) No. 2
Currant, Imitation No. 1
Currant, Imitation No. 2
Currant, Imitation No. 3
Currant, Imitation No. 4
Currant, Imitation No. 5
Currant, Imitation No. 6
Currant, Synthetic No. 1
Currant, Synthetic No. 2
Currant, Synthetic No. 3
Currant, Synthetic No. 4
Currant, Synthetic No. 5
Currant, Synthetic No. 6
Date, Extract (Natural)
Date, Imitation No. 1
Date, Imitation No. 2
Date, Synthetic
Fernet Branca Essence
Fig, Essence (Natural)
Fondant Orgeat Praline
Fortified Extracts from Vegetables
Fruit Extract, Natural Flavor
Fruit Soda
Fungi Extract (Natural)
Garlic, Extract (Natural)
Gin, Imitation
Ginger, Essence (Natural)
Ginger, Extract (Natural), Gingerine
Ginger, Imitation No. 1
Ginger, Imitation No. 2
Ginger, Imitation No. 3
Ginger, Imitation No. 4
Ginger, Imitation No. 5
Gingergrass (Palmarosa)
Girofl (Clove), Tincture
Glace Cake Mix
Gooseberry, Extract (Natural)
Gooseberry, Imitation No. 1
Gooseberry, Imitation No. 2
Gooseberry, Imitation No. 3
Gooseberry, Imitation No. 4
Gooseberry, Imitation No. 5
Gooseberry, Synthetic No. 1
Gooseberry, Synthetic No. 2
Gooseberry, Synthetic No. 3
Gooseberry, Synthetic No. 4
Grape, Extract (Natural) No. 1
Grape, Extract (Natural) No. 2
Grape, Imitation No. 1
Grape, Imitation No. 2
Grape, Synthetic No. 1
Grape, Synthetic No. 2
Grape, Synthetic No. 3
Grape, Synthetic No. 4
Grape, Synthetic No. 5
Grape, Synthetic No. 6
Grape, Synthetic No. 7
Grape, Synthetic No. 8
Grape, Synthetic No. 9
Grapefruit, Synthetic
Green Gage, Extract (Natural)
Green Gage, Imitation
Grenadine
Guava, Extract (Natural)
Ham, Baked Glaze
Hazelnut, Extract (Natural)
Herbal Cream (Celery or any Other Herb)
Honey, Imitation No. 1
Honey, Imitation No. 2
Honey, Imitation No. 3
Honey, Imitation No. 4
Honey, Imitation No. 5
Honey, Imitation No. 6
Honey, Imitation No. 7
Honey, Synthetic No. 1
Honey, Synthetic No. 2 (for Perfumes)
Honey, Synthetic No. 3 (for Perfumes)
Honey, Synthetic No. 4
Honey, Synthetic No. 5
Hop, Extract (Natural)
Hop, Imitation
Hop, Synthetic No. 1
Hop, Synthetic No. 2
Hop, Synthetic No. 3
Huckleberry, Synthetic No. 1
Huckleberry, Synthetic No. 2
Juices, General
Kernel (Nut), General
Ketchup (Catsup), Mushroom Flavor
Ketchup (Catsup), Spice
Ketchup (Catsup), Tomato Flavor
Kummel
Lavender, Flavor
Lemon, Extract (Natural)
Lemon, Imitation No. 1
Lemon, Imitation No. 2
Lemon, Imitation No. 3
Lemon, Imitation No. 4
Lemon, Imitation No. 5
Lemon, Imitation No. 6
Lemon, Imitation No. 7
Lemon, Imitation No. 8
Lemon, Imitation No. 9
Lemon, Imitation No. 10
Lemon, Imitation No. 11
Lemon, Imitation No. 12
Lemon, Imitation No. 13
Lemon, Imitation No. 14
Lemon, Imitation No. 15
Lemon, Imitation No. 16
Lemon, Powdered (Concentrate)
Lemon, Synthetic No. 1
Lemon, Synthetic No. 2
Lemon, Synthetic No. 3
Licorice, Root, Extract (Natural)
Lime, Extract (Natural)
Lime, Imitation
Lime, Synthetic No. 1
Lime, Synthetic No. 2
Lime, Synthetic No. 3
Lime, Synthetic No. 4
Lime, Synthetic No. 5
Malt, Extract (Natural)
Malt, Imitation No. 1
Malt, Imitation No. 2
Mandarin, Imitation No. 1
Mandarin, Imitation No. 2
Mandarin, Imitation No. 3
Mandarin, Imitation No. 4
Mandarin, Imitation No. 5
Mandarin, Imitation No. 6
Mandarin, Imitation No. 7
Mandarin, Imitation No. 8
Mandarin, Imitation No. 9
Mandarin, Synthetic No. 1
Mango, Extract (Natural)
Mango, Imitation
Maple
Maple, Flavor
Maraschino, Imitation No. 1
Maraschino, Imitation No. 2
Maraschino, Imitation No. 3
Maraschino, Imitation No. 4
Marshmallow
Mayonnaise
Mayonnaise, Real
Mayonnaise, Spice
Meat, Flavor
Melon, Extract (Natural)
Melon, Imitation No. 1
Melon, Imitation No. 2
Melon, Imitation No. 3
Melon, Synthetic No. 1
Melon, Synthetic No. 2
Melon, Synthetic No. 3
Melon, Synthetic No. 4
Melon, Synthetic No. 5
Melon, Synthetic No. 6
Melon, Synthetic No. 7
Melon, Synthetic No. 8
Mentha, Cream
Milk, Caramel
Mint
Mirabelle
Mirabelle (Plum), Extract (Natural)
Mirabelle (Plum), Imitation
Mirabelle (Plum), Synthetic
Muguet, for Cream
Mulberry, Extract (Natural)
Mulberry, Imitation
Mulberry Synthetic No. 1
Mulberry, Synthetic No. 2
Mulberry, Synthetic No. 3
Mushroom, Imitation No. 1
Mushroom, Imitation No. 2
Nectarine
Noisettée
Nougatine
Nutmeg, Imitation No. 1
Nutmeg, Imitation No. 2
Nutmeg, Imitation No. 3
Nutmeg, Imitation No. 4
Nutmeg, Imitation No. 5

Nuts, Flavor for Pastry

Nuts, Kernels (General Method of Flavor Extraction)

Onion

Onion, Extract (Natural)

Onion, Imitation

Orange, Extract (Natural)

For Orange Bitter Type

For Sweet Orange Type

Orange, Imitation No. 1

Orange, Imitation No. 2

Orange, Imitation No. 3

Orange, Imitation No. 4

Orange, Imitation No. 5

Orange, Imitation No. 6

Orange, Imitation No. 7

Orange, Imitation No. 8

Orange, Imitation No. 9

Orange, Imitation No. 10

Orange, Imitation No. 11

Orange, Imitation No. 12

Orange, Imitation No. 13

Orange, Imitation No. 14

Orange, Synthetic No. 1

Orange, Synthetic No. 2

Orange, Synthetic No. 3

Orange, Synthetic No. 4
Oregano, Type

Peach, Extract (Natural)

Peach, Imitation No. 1

Peach, Imitation No. 2

Peach, Imitation No. 3

Peach, Imitation No. 4

Peach, Imitation No. 5

Peach, Imitation No. 6

Peach, Imitation No. 7

Peach, Imitation No. 8

Peach, Imitation No. 9

Peach, Imitation No. 10

Peach, Imitation No. 11

Peach, Imitation No. 12

Peach, Synthetic No. 1

Peach, Synthetic No. 2

Peach, Synthetic No. 3

Peach, Synthetic No. 4

Peach, Synthetic No. 5

Peach, Synthetic No. 6

Peach, Synthetic No. 7

Peach, Synthetic No. 8

Peach, Synthetic No. 9

Peach, Synthetic No. 10

Peach, Synthetic No. 11

Peach, Synthetic No. 12
Pear, Extract (Natural)

Pear, Imitation No. 1

Pear, Imitation No. 2

Pear, Imitation No. 3

Pear, Imitation No. 4

Pear, Imitation No. 5

Pear, Imitation No. 6

Pear, Imitation No. 7

Pear, Imitation No. 8

Pear, Imitation No. 9

Pear, Imitation No. 10

Pear, Synthetic No. 1

Pear, Synthetic No. 2

Pear, Synthetic No. 3

Pear, Synthetic No. 4

Pear, Synthetic No. 5

Pear, Synthetic No. 6

Pear, Synthetic No. 7

Pear, Synthetic No. 8

Pear, Synthetic No. 9

Pear, Synthetic No. 10

Pear, Synthetic No. 11

Pear, Synthetic No. 12

Pear, Synthetic No. 13

Pear, Synthetic No. 14

Pea, Sweet, Imitation No. 1

Pea, Sweet, Imitation No. 2
Pea, Sweet, Imitation No. 3
Pea, Sweet, Synthetic No. 1
Pea, Sweet, Synthetic No. 2
Peppermint, Imitation No. 1
Peppermint, Imitation No. 2
Peppermint, Imitation No. 3
Peppermint, Imitation No. 4
Peppermint, Imitation No. 5
Peppermint, Imitation No. 6
Persicot, (Peach Kernel Imitation)
Pickle Spice Salts
Pineapple (Ananas) Extract (Natural) No. 1
Pineapple Peels
Pineapple, (Ananas) Extract (Natural) No. 2
Pineapple (Ananas), Imitation No. 1
Pineapple (Ananas), Imitation No. 2
Pineapple (Ananas), Imitation No. 3
Pineapple (Ananas), Imitation No. 4
Pineapple (Ananas), Imitation No. 5
Pineapple (Ananas), Imitation No. 6
Pineapple (Ananas), Imitation No. 7
Pineapple (Ananas), Imitation No. 8
Pineapple (Ananas), Imitation No. 9
Pineapple (Ananas), Imitation No. 10
Pineapple (Ananas), Synthetic No. 1
Pineapple (Ananas), Synthetic No. 2
Pineapple (Ananas), Synthetic No. 3
Pineapple (Ananas), Synthetic No. 4
Pineapple (Ananas), Synthetic No. 5
Pineapple (Ananas), Synthetic No. 6
Pineapple (Ananas), Synthetic No. 7
Pineapple (Ananas), Synthetic No. 8
Pineapple (Ananas), Synthetic No. 9
Pineapple (Ananas), Synthetic No.10
Pineapple (Ananas), Synthetic No.11
Pistachio Nut, Extract (Natural)
Pistachio Nut, Imitation No. 1
Pistachio Nut, Imitation No. 2
Pistachio Nut, Imitation No. 3
Pistachio Nut, Imitation No. 4
Pistachio Nut, Imitation No. 5
Pistachio Nut, Imitation No. 6
Pistachio Nut, Imitation No. 7
Pistachio Nut, Imitation No. 8
Plum, Extract (Natural)
Plum, Imitation No. 1
Plum, Imitation No. 2
Plum, Imitation No. 3
Plum, Imitation No. 4
Plum, Imitation No. 5
Plum, Imitation No. 6
Plum, Synthetic No. 1
Plum, Synthetic No. 2
Plum, Synthetic No. 3
Plum, Synthetic No. 4
Plum, Synthetic No. 5
Plum, Synthetic No. 6
Pomegranate (Grenadine), Imitation No. 1
Pomegranate (Grenadine), Imitation No. 2
Pomegranate (Grenadine), Imitation No. 3
Pomegranate (Grenadine), Imitation No. 4
Pomegranate (Grenadine), Imitation No. 5
Pomegranate (Grenadine), Imitation No. 6
Pomegranate (Grenadine), Imitation No. 7
Pomegranate (Grenadine), Imitation No. 8
Pomegranate (Grenadine), Synthetic
Potato, Flavor
Pound Cake, Flavor
Powdered Flavors
Praline Flavor (Crystals)
Prunelle, Extract (Natural)
Quince, Extract (Natural)
Quince, Imitation
Quince, Synthetic No. 1
Quince, Synthetic No. 2
Quince, Synthetic No. 3
Raisin, Synthetic
Raspberry, Extract (Natural) No. 1
Raspberry, Extract (Natural) No. 2
Raspberry, Extract (Natural) No. 3

Raspberry, Imitation No. 1

Raspberry, Imitation No. 2

Raspberry, Imitation No. 3

Raspberry, Imitation No. 4

Raspberry, Imitation No. 5

Raspberry, Imitation No. 6

Raspberry, Imitation No. 7

Raspberry, Imitation No. 8

Raspberry, Imitation No. 9

Raspberry, Imitation No. 10

Raspberry, Synthetic No. 1

Raspberry, Synthetic No. 2

Raspberry, Synthetic No. 3

Raspberry, Synthetic No. 4

Raspberry, Synthetic No. 5

Raspberry, Synthetic No. 6

Raspberry, Synthetic No. 7

Raspberry, Synthetic No. 8

Raspberry, Synthetic No. 9

Raspberry, Synthetic No. 10

Raspberry, Synthetic No. 11

Raspberry, Synthetic No. 12

Raspberry, Synthetic No. 13

Ratafia

Rhodium

Root Beer, Imitation
Rose, Flavor
Rose, Liquor
Rosemary, Chili
Rum, Ether Flavor
Rum, Imitation No. 1
Rum, Imitation No. 2
Rum, Imitation No. 3
Rum, Imitation No. 4
Rum, Imitation No. 5
Rum, Jamaica No. 1
Rum, Jamaica, No. 2
Rum, Oil
Rum, Synthetic No. 1
Rum, Synthetic No. 2
Rum, Synthetic No. 3
Saint John Bread (Carob), Tincture
Sarsaparilla, Imitation No. 1
Sarsaparilla, Imitation No. 2
Sassafras, Imitation No. 1
Sassafras, Imitation No. 2
Sassafras, Imitation No. 3
Sassafras, Imitation No. 4
Sassafras, Synthetic No. 1
Sassafras, Synthetic No. 2
Sauce Flavors
Sauce, Flavor Base
Sauce, Soy Flavor
Savory, Oil No. 1
Savory, Oil No. 2
Scotch, Smoke Type Taste
Smoke, Flavor
Smoke, Flavor for Fish (Seasoning)
Smoke, Flavor for Meat
Spearmint-wintergreen-peppermint No. 1
Spearmint-wintergreen-peppermint No. 2
Spice, Imitation No. 1
Spice, Imitation No. 2
Strawberry, Extract (Natural) No. 1
Strawberry, Extract (Natural) No. 2
Strawberry, Imitation No. 1
Strawberry, Imitation No. 2
Strawberry, Imitation No. 3
Strawberry, Imitation No. 4
Strawberry, Imitation No. 5
Strawberry, Imitation No. 6
Strawberry, Imitation No. 7
Strawberry, Imitation No. 8
Strawberry, Imitation No. 9
Strawberry, Imitation No. 10
Strawberry, Imitation No. 11
Strawberry, Synthetic No. 1
Strawberry, Synthetic No. 2
Strawberry, Synthetic No. 3
Strawberry, Synthetic No. 4
Strawberry, Synthetic No. 5
Strawberry, Synthetic No. 6
Strawberry, Synthetic No. 7
Strawberry, Synthetic No. 8
Strawberry, Synthetic No. 9
Strawberry, Synthetic No. 10 General Base
Strawberry, Synthetic No. 11
Strawberry, Synthetic No. 12
Strawberry, Synthetic No. 13
Syrup, Base for Flavor (Pancake)
Syrup, Simple, Base for Flavor
Tamarind, Extract (Natural)
Tangerine, Extract (Natural)
Tangerine, Imitation No. 1
Tangerine, Imitation No. 2
Tarragon
Tea, Imitation No. 1
Tea, Imitation No. 2
Tea, Natural No. 1
Tea, Natural No. 2
Tea, Natural No. 3
Tobacco Formulas for Improving Flavor and Odor
Species of Natural Tobacco
Tobacco, Chewing, Flavor No. 1
Tobacco, Chewing, Flavor No. 2
Tobacco, Cigarette, Flavor No. 1
Tobacco, Cigarette, Flavor No. 2
Tobacco, Cigarette, Flavor No. 3
Tobacco, Flavor General
Tobacco, Flavor No. 1
Tobacco, Flavor No. 2
Tobacco, Flavor No. 3
Tobacco Flavor No. 4
Tobacco, Flavor No. 5
Tobacco, Flavor No. 6
Tobacco, Flavor No. 7
Tobacco, Flavor No. 8
Tobacco, Flavor No. 9
Tutti Frutti
Valerian, Root, Extract (Natural)
Vanilla
Vanilla, Concentrated Flavor
Vanilla, Flavor No. 1
Vanilla, Flavor No. 2
Vanilla, Flavor No. 3
Vanilla, Imitation No. 1
Vanilla, Imitation No. 2
Vanilla, Beans, Extract (Natural) No. 1
Vanilla Beans, Extract (Natural) No. 2
Vanilla Beans, Imitation
Vanilla Beans, Tincture No. 1
Vanilla Beans, Tincture No. 2
Vanillin, Crystal (Partial)
Vanillin, Flavored Mixture
Vanillin No. 1
Vanillin No. 2 (Ester Mixture)
Vanillin, Super Odor
Vanillin, Water Soluble
Vermouth
Vermouth, Italian Type No. 1
Vermouth, Italian Type No. 2
Vinegar, Spiced
Violet, Flavor
Walnut, Extract (Natural)
Walnut, Flavor For Ketchup
Walnut, Imitation No. 1
Walnut, Imitation No. 2
Walnut, Imitation No. 3
Walnut, Imitation No. 4
Walnut, Imitation No. 5
Walnut, Imitation No. 6
Wintergreen
Wintergreen, Synthetic No. 1
Wintergreen, Synthetic No. 2
Wintergreen, Synthetic No. 3
Woodruff, Extract (Natural)
Woodruff, Imitation
Woodruff, Synthetic No. 1
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NIIR PROJECT CONSULTANCY SERVICES, 106-E, Kamla Nagar, New Delhi-110007, India. Email: npcs.india@gmail.com Website:  NiIR.org