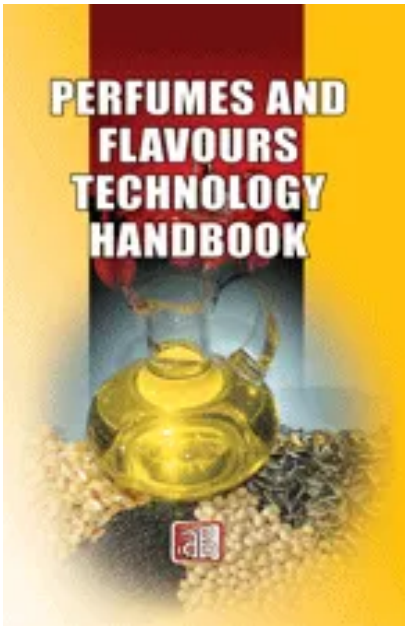
Entrepreneur India

106-E, Kamla Nagar, New Delhi-110007, India.
Tel: 91-11-23843955, +91 9097075054
Mobile: +91-9097075054
Email: npcs.ei@gmail.com, info@entrepreneurindia.co
Website: www.entrepreneurIndia.co



Perfumes and Flavours Technology Handbook

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Description

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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Angelica, Seed

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Camphor

Cananga

Caraway

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Cascarilla

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Geranium

Ginger

Gingergrass

Grapefruit

Guaiacwood

Gurjun (Balsam)

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Hop

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Lovage

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Nepeta

Neroli

Niaouli

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Olibanum (Resinoid)

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Opopanax (Resinoid)

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Orange Flowers (Concrete, Absolute)

Orange Sweet

Oregano

Orris

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Parsley

Parsnip

Patchouli

Pennyroyal

Pepper, Black

Peppermint, Arvensis

Peppermint, Piperita

Perilla

Peru Balsam

Petitgrain

Pimento

Pine

Pine Needle

Rose (Concrete, Absolute)

Rosemary

Rosewood

Rue

Saffron

Sage

Sandalwood

Sarsaparilla

Sassafras

Savin

Savory

Silver Fir Needle

Spearmint

Spike Lavender

Spruce

Storax (Resinoid)

Tagetes

Tamarind

Tansy

Thyme

Tobacco (Absolute)

Tolu Balsam (Resinoid)

Tonka Beans (Absolute)

Treemoss (Resinoid, Absolute)

Tuberose (Concrete, Absolute)

Turpentine (Rectified)

Valerian

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Vassoura

Verbena

Vetiver

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Wallflower

Wintergreen

Wormseed

Wormwood

Woodruff

Ylang Ylang

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8. CHEMICALS USED IN FLAVOURS AND PERFUMES

Acetaldehyde

Acetate C-8

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

Aldehyde C-11 (Undecylenic)

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 Acet Ate

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

Llnalyl Acetate

Linalyl Butyrate

Linalyl Cinnamate

Linalyl Formate

Llnalyl Propionate

Linalyl Valerianate

Malic Acid

Menthol

Menthone

Menthyl Acetate

P-methoxy Phenylbutyl Acetate

Methyl Alcohol

Methyl Anisate

Methyl Anthran1late

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

γ-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

Benzylidene 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

γ-nonalactone

Phenylacetaldehyde

Phenyl Acetic Acid

Phenyl Ethyl Acetate

Phenyl Ethyl Alcohol

Rose Crystals

Rose Oxide

Terpineol

γ-undelactone

Vanillin

10. NATURAL ODOURS OF AROMATIC CHEMICALS

Balsamic

Citrus

Fatty

Flowery

Grassy

Green-Floral

Harsh-Pungent

Herb-Like

Leaf-Green

Musky

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)

Pomegrana Te

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

β-naphthol Isobutyl

β-naphthyl 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

Dlethyl 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

β-Apo-8' -carotenal

Beet

Buckthorn

Campeachy

Canthaxanthin

Caramel

Catechu

Chlorophyll

Cochineal

Cud Bear

Curcuma

Erythrosine

Guanine

Huckleberry

Indigotin

Kino

Mallow Flowers

Paprika

Pernambuco

Pokeberry

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 (Fon 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 Blosoom, 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 (Ffor 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

Appled, 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, Falvor (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

Current, 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, Flavormaple, Syrup

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

Noisettee

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

Woodruff, Synthetic No. 2

Worcestershire Sauce No. 1

Worcestershire Sauce No. 2

About Niir

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of the inputs in their research.