# Perfumes and Flavours Technology Handbook with Manufacturing Formulations, Process, Machinery Equipment Details & Factory Layout (2nd Edition)

Author: - Dr. Himadri Panda

Format: paperback

Code: NI344 Pages: 528

Price: Rs.2275US\$ 200

**Publisher: NIIR PROJECT CONSULTANCY** 

**SERVICES** 

Usually ships within 5 days

Today, Perfume is an important part of everyday lives, and it is mandated by dress code. To begin with, it makes us joyful. If you are out and realize have forgotten to put on perfume, it can be really inconvenient. The perfume choose says a lot about who you are and what kind of personality you have. In fact, your smell reveals more about you than your physical appearance. The global flavors and fragrance market size is CAGR of 4.7%. Rise in demand for car and room fresheners and increase in popularity of aromatherapy are also expected to drive growth of the market for fragrance ingredients. The hospitality industry is also seeing an increase in demand for perfumes to create a relaxing environment. Scents are now generally approved for industrial application, including ambiance fragrances for consumer durables and personal care accessories, a hitherto untapped market. Furthermore, as disposable income rises, more local consumers, particularly young consumers, choose quality goods. Following the global pandemic, a greater emphasis on hygiene products has fueled demand for new and innovative fragrances in hand washes, sanitizers, and floor cleaners.

This book contains in-depth information about Perfumes, covering all elements. Professionals in Perfumery & Cosmetics will find the book extremely useful for quick revision, as well as consumers who are curious about scents in everyday life. This book is also a fantastic resource for people interested in or who have worked in the perfume industry.

Profitable and viable business opportunities exist in the perfume sector. As a result, creating your own business is a good way to get into it. To learn more about the perfume and Flavours industry in depth, read this book. It will assist you in figuring out how to establish your own perfumery. Because of the increasing demand for perfume in today's market, it's a terrific method to earn money.

## Contents

- 1. INTRODUCTION
- 1.1 Imprecise Terminology
- 1.2 Solvent Types
- 1.3 Applying Fragrances
- 1.4 Fragrance Notes
- 1.5 Benefits
- 2. HOW TO START A PERFUME BUSINESS
- 2.1 Steps

- 2.1.1 Learn the Skills of Making Perfume
- 2.1.2 Create a Business Plan
- 2.1.3 Name Your Business
- 2.1.4 Make Your Perfume Making Business Legal
- 2.1.5 Do Proper Bookkeeping
- 2.1.6 Invent New Scents
- 2.1.7 Purchase the Bottles
- 2.1.8 Create Brand
- 2.1.9 Finalize Packaging
- 2.1.10 Assemble the Perfume
- 2.1.11 Choose Sales Displays
- 2.1.12 Set Up a Website
- 2.1.13 Set Price
- 2.1.14 Decide Which Retailers to Target
- 2.1.15 Contract with a Mass Producer
- 2.1.16 Market the Perfume Line
- 2.1.17 How to Sell Perfumes?
- 3. EVERYTHING NEED TO START A PERFUME BUSINESS
- 3.1 Price
- 3.2 Understanding Brand's Values and Vision
- 3.3 Developing & Manufacturing Perfume
- 3.4 Choosing the Perfect Bottle
- 3.5 Personalized Packaging
- 3.6 Logistics Taken Care
- 3.7 How Long does this Entire Process Take?
- 4. HOW TO MAKE PERFUME
- 4.1 Raw Materials
- 4.2 Manufacturing Process
- 4.2.1 Collection
- 4.2.2 Extraction
- 4.2.3 Blending
- 4.2.4 Aging
- 4.3 Quality Control
- 4.4 Future
- 5. PERFUME TECHNOLOGY INTERVENTIONS
- 5.1 Extraction of Base Ingredients
- 5.1.1 Improved Field Distillation Units
- 5.1.2 Super Critical Fluid Extraction (SCFE)
- 5.1.3 Rotary Extractors
- 5.1.4 Ultrasonic Extraction
- 5.1.5 Microwave Extraction Technologies
- 5.2 Solvent Free Microwave Extraction (SFME)
- 5.3 Blending of Essential Oils/Creation of Flavor/

# Fragrances

- 5.3.1 Artificial Intelligence Powered Fragrance Creation
- 5.3.2 Automation of Blending Process
- 5.3.3 Technology Adoption
- 5.4 Extraction/Isolation
- 5.5 Creation of Fragrances
- 6. AEROSOLS PERFUME
- 6.1 Why Do Aerosols Feel Cold?
- 6.1.1 Propellants
- 6.1.2 Valve

- 6.2 Types of Aerosols
- 6.3 Aerosol Use
- 6.4 General Use of Aerosols
- 6.5 How Aerosol are Cans Made?
- 6.6 How Aerosols Work
- 7. PERFUMES FOR MEN
- 7.1 Eau de Cologne
- 7.2 Toilet Waters
- 7.3 Modified Colognes
- 7.4 Perfumes for Men
- 8. AROMATIC CHEMICALS USED IN FLAVOUR AND PERFUME COMPOUNDS
- 8.1 Acetophenone
- 8.2 Amyl Cinnamic Aldehyde
- 8.3 Amyl Salicylate
- 8.4 Anisic Aldehyde
- 8.5 Benzaldehyde
- 8.6 Benzyl Acetate
- 8.7 Benzyl Alcohol
- 8.8 Benzyl Benzoate
- 8.9 Benzyl Cinnamate
- 8.10 Benzylidene Acetone
- 8.11 Benzyl Salicylate
- 8.12 Borneol
- 8.13 Bornvl Acetate
- 8.14 Cinnamic Acid
- 8.15 Cinnamic Alcohol
- 8.16 Cinnamic Aldehyde
- 8.17 Citral
- 8.18 Citronellal
- 8.19 Citronellol
- 8.20 Coumarin
- 8.21 p-Cresyl Acetate
- 8.22 p-Cresyl Methyl Ether
- 8.23 Cyclamen Aldehyde
- 8.24 Diphenyl Ketone
- 8.25 Diphenyl Oxide
- 8.26 Eugenol
- 8.27 Geraniol
- 8.28 Heliotropin
- 8.29 Hydroxycitronellal
- 8.30 Indole
- 8.31 Ionone
- 8.32 Linalool
- 8.33 Linalyl Acetate
- 8.34 Methyl Anthranilate
- 8.35 Methyl Heptyne Carbonate
- 8.36 p-Methyl Quinoline 79
- 8.37 Methyl Salicylate 80
- 8.38 Musk Ambrette 81
- 8.39 Musk Ketone 81
- 8.40 Musk Xylene 82
- 8.41 Nerol 83
- 8.42 ?-nonalactone 84

- 8.43 Phenylacetaldehyde 84
- 8.44 Phenyl Acetic Acid 85
- 8.45 Phenyl Ethyl Acetate 86
- 8.46 Phenyl Ethyl Alcohol 86
- 8.47 Rose Crystals 87
- 8.48 Rose Oxide 88
- 8.49 Terpineol 88
- 8.50 ?-Undelactone 89
- 8.51 Vanillin 90
- 9. NATURAL ODOURS OF AROMATIC CHEMICALS 91
- 9.1 Balsamic 91
- 9.2 Citrus 91
- 9.3 Fatty 92
- 9.4 Flowery 92
- 9.5 Grassy 92
- 9.5a Green-Floral 92
- 9.6 Harsh-Pungent 93
- 9.7 Herb-Like 93
- 9.8 Leaf-Green 93
- 9.9 Musky 93
- 9.10 Odorless-Faint 93
- 9.11 Waxy 93
- 9.12 Woody 93
- 9.13 Acacia 94
- 9.14 Bergamot 94
- 9.15 Carnation 94
- 9.16 Cassia 94
- 9.17 Chrysanthemum 95
- 9.18 Clove 95
- 9.19 Clover 95
- 9.20 Cyclamen 96
- 9.21 Fern
- 9.22 Frangipani
- 9.23 Gardenia
- 9.24 Geranium
- 9.25 Hawthorn
- 9.26 Heliotrope
- 9.27 Honeysuckle
- 9.28 Hyacinth
- 9.29 Iris
- 9.30 Jasmine
- 9.31 Jonquil
- 9.32 Lavender
- 9.33 Lilac
- 9.34 Lily of the Valley
- 9.35 Linden
- 9.36 Magnolia
- 9.37 Mignonette
- 9.38 Mimosa
- 9.39 Moon Flower
- 9.40 Morning Glory
- 9.41 Moss
- 9.42 Musk

- 9.43 Narcissus
- 9.44 Orange Blossom
- 9.45 Orchid
- 9.46 Patchouli
- 9.47 Pine (Needles)
- 9.48 Rose
- 9.49 Sweet Pea
- 9.50 Syringa
- 9.51 Tobacco
- 9.52 Treflé
- 9.53 Tuberose
- 9.54 Verbena
- 9.55 Violet
- 9.56 Wallflower
- 9.57 Wisteria
- 9.58 Wintergreen
- 9.59 Ylang Ylang
- 9.60 Seaweed (Algae)
- 9.61 Adonis
- 9.62 Forsythia
- 9.63 Fringe Tree
- 9.64 Fixatives for Perfumes
- 9.65 Ambergris
- 10. BASIC FLAVOURING MATERIALS
- 10.1 Introduction
- 10.2 Natural Flavors Simulated with Synthetic Chemicals
- 10.2.1 Fruity
- 10.3 Fresh Fruit
- 10.3.1 Apple
- 10.3.2 Apricot
- 10.3.3 Barberry
- 10.3.4 Bilberry
- 10.3.5 Blackberry
- 10.3.6 Black Currant
- 10.3.7 Blueberry
- 10.3.8 Cherry (Sweet and Sour)
- 10.3.9 Cranberry
- 10.3.10 Date
- 10.3.11 Fig
- 10.3.12 Gooseberry
- 10.3.13 Grape
- 10.3.14 Grape Fruit
- 10.3.15 Hop
- 10.3.16 Huckleberry
- 10.3.17 Lemon
- 10.3.18 Lime
- 10.3.19 Loganberry
- 10.3.20 Mandarin
- 10.3.21 Melon (Watermelon)
- 10.3.22 Mulberry
- 10.3.23 Orange
- 10.3.24 Peach (Freestone, Clin Gstone, Nectarine)
- 10.3.25 Pear

- 10.3.26 Plum (Prunes)
- 10.3.27 Pomegranate
- 10.3.28 Quince
- 10.3.29 Raspberry
- 10.3.30 Red Currant
- 10.3.31 Strawberry
- 10.4 Tropical Fruits
- 10.4.1 Avocado
- 10.4.2 Banana
- 10.4.3 Cherimoya
- 10.4.4 Coconut
- 10.4.5 Guava
- 10.4.6 Mango
- 10.4.7 Papaya
- 10.4.8 Pineapple (Ananas)
- 10.5 Dry Fruits
- 10.5.1 Almond, Bitter
- 10.5.2 Brazil Nut (Cream Nut, Butter Nut, Pura Nut,

#### Shenut)

- 10.5.3 Cashew Nut
- 10.5.4 Chestnut
- 10.5.5 Hazelnut (Cobnuts, Filbert)
- 10.5.6 Macadamia (Queensland Nut)
- 10.5.7 Peanut
- 10.5.8 Pecan
- 10.5.9 Pistachio
- 10.5.10 Walnut
- 10.6 Naturally Sweet Products
- 10.6.1 Honey
- 10.6.2 Licorice
- 10.6.3 Maple
- 10.6.4 Vanilla Beans
- 10.6.5 Woodruff
- 10.7 Daily Beverages
- 10.7.1 Cocoa-Chocolate
- 10.7.2 Coffee
- 10.7.3 Kola
- 10.7.4 Tea
- 10.7.5 Alcoholic Beverages
- 10.7.6 Beer
- 10.7.7 Bitters
- 10.7.8 Cognac
- 10.7.9 Fermented Drinks
- 10.7.10 Fortified Beverages
- 10.7.11 Light or Still
- 10.7.12 Rum
- 10.7.13 Sparkling Wines
- 10.7.14 Vermouth
- 10.7.15 Whiskey
- 10.8 Dairy Products
- 10.8.1 Butter
- 10.8.2 Cheese
- 10.8.3 Milk

- 10.8.4 Yogurt
- 10.9 Culinary Additives
- 10.9.1 Capsicum
- 10.9.2 Cucumber
- 10.9.3 Garlic
- 10.9.4 Hickory
- 10.9.5 Mustard
- 10.9.6 Onion
- 10.9.7 Paprika
- 10.9.8 Saffron
- 10.9.9 Smoke
- 10.9.10 Tarragon
- 10.9.11 Tomato
- 10.9.12 Turmeric
- 11. AROMATIC CHEMICALS USED IN FLAVOUR COMPOUNDING
- 11.1 Aldehyde C-18
- 11.2 Anethole
- 11.3 Anisaldehyde
- 11.4 Benzaldehyde
- 11.5 Benzyl Butyrate
- 11.6 Bourbonal
- 11.7 Carvone
- 11.8 Cinnamic Aldehyde
- 11.9 Cinnamyl Alcohol
- 11.10 Cinnamyl Butyrate
- 11.11 Cinnamyl Propionate
- 11.12 Citral
- 11.13 Citronellol
- 11.14 Coumarin
- 11.15 Cumic Aldehyde
- 11.16 Decyl Acetate
- 11.17 n-Decyl Alcohol
- 11.18 n-Decyl Aldehyde
- 11.19 Dodecyl Aldehyde
- 11.20 Ethyl Acetate
- 11.21 Ethyl Acetoacetate
- 11.22 Ethyl Benzoate
- 11.23 Ethyl Butyrate
- 11.24 Ethyl Malonate
- 11.25 Ethyl Myristate
- 11.26 Ethyl Oenanthate
- 11.27 Ethyl Pelargonate
- 11.28 Ethyl Propionate
- 11.29 Ethyl Sebacate
- 11.30 Ethyl Valerate
- 11.31 Eugenol
- 11.32 Geraniol
- 11.33 Geranyl Acetate
- 11.34 Geranyl n-Butyrate
- 11.35 Heliotropin
- 11.36 Heptylic Aldehyde
- 11.37 Hydrocinnamic Aldehyde
- 11.38 Hydroxycitronellal

- 11.39 Ionone
- 11.40 Irone
- 11.41 Isoamyl Acetate
- 11.42 Isoamyl Butyrate
- 11.43 Isoamyl Valerate
- 11.44 Isobutyl Acetate
- 11.45 Isobutyl Butyrate
- 11.46 Isoeugenol
- 11.47 Linalool
- 11.48 Linalyl Acetate
- 11.49 Linalyl Butyrate
- 11.50 Menthol
- 11.51 Methyl Anthranilate
- 11.52 Methyl m-Anthranilate
- 11.53 Methyl Eugenol
- 11.54 Methyl Heptyne Carbonate
- 11.55 Methyl Isoeugenol
- 11.56 Methylnonyl Acetaldehyde
- 11.57 Methyl Phenyl Acetate
- 11.58 Methyl Phenyl Glycidate
- 11.59 ?-Naphthol Isobutyl
- 11.60 ?-Naphthyl Ethyl Ether
- 11.61 Nerol
- 11.62 n-Nonyl Alcohol
- 11.63 Nonyl Aldehyde
- 11.64 Octyl Acetate
- 11.65 n-Octyl Alcohol
- 11.66 n-Octyl Aldehyde
- 11.67 Octyl Butyrate
- 11.68 Phenyl Ethyl Acetate
- 11.69 Phenyl Ethyl Alcohol
- 11.70 Phenyl Ethyl Propionate
- 11.71 Rhodinol
- 11.72 Rhodinyl Acetate
- 11.73 Rhodinyl Butyrate
- 11.74 ?-Terpineol
- 11.75 Terpinyl Propionate
- 11.76 p-Toluyl Aldehyde
- 11.77 n-?-Undelactone
- 11.78 Undecylenic Aldehyde
- 11.79 Vanillin
- 12. COLORANTS FOR FLAVOURS AND PERFUMES NATURAL

#### **COLORS**

- 12.1 Alkanet
- 12.2 Annatto
- 12.3 ?-Apo-8' -Carotenal
- 12.4 Beet
- 12.5 Buckthorn
- 12.6 Campeachy
- 12.7 Canthaxanthin
- 12.8 Caramel
- 12.9 Catechu
- 12.10 Chlorophyll

- 12.11 Cochineal
- 12.12 Cud Bear
- 12.13 Curcuma
- 12.14 Erythrosine
- 12.15 Guanine
- 12.16 Huckleberry
- 12.17 Indigotin
- 12.18 Kino
- 12.19 Mallow Flowers
- 12.20 Paprika
- 12.21 Pernambuco
- 12.22 Pokeberry
- 12.23 Safflower
- 12.24 Saffron
- 12.25 Sandalwood
- 12.26 Tartrazine
- 12.27 Titanium Dioxide
- 12.28 Turmeric
- 12.29 Ultramarine
- 12.30 Yellowwood
- 12.31 Zinc Oxide
- 12.32 Colors of Common Flavors and Perfumes
- 13. STABILIZERS
- 13.1 Agar-Agar
- 13.2 Arabic Gum
- 13.3 Bean Gums, Locust
- 13.4 Carrageen
- 13.5 Guar Gum
- 13.6 Karaya Gum
- 13.7 Pectin
- 13.8 Tragacanth Gum
- 14. 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
- Fougère
- 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)
- GiroflÉ, Imitation No. 1
- GiroflÉ, 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 Coupé), 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 (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
- Theflé (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

## 15. FORMULATIONS OF FLAVOURS 269

- 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 Synthetic
- Almond, Imitation
- Almond, Milk (Orzata)
- Almond, Peach
- Angelic, Tincture
- · Angostura, Bitter
- Anise Base
- 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
- Appled, 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
- 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)
- Banana, Imitation No. 1
- Banana, Imitation No. 2
- Banana, Imitation No. 3
- Banana, Synthetic No. 4
- 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
- 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

- Butterscotch, Imitation No. 1
- Butterscotch, Imitation No. 2
- Butterscotch, Imitation No. 3
- Butterscotch, Imitation No. 4
- Butterscoth, Imitation No. 5
- Buttescotch, 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
- 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 "Red" Essence (Natural) "Agriot"
- 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
- Chocolate, Falvor (Natural)
- Chocolate, Flavor, Synthetic
- Chocolate, Hardener
- Chypre, Base for Bouquet
- 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
- Cognac, Imitation No. 1
- Cognac, Imitation No. 2
- Cognac, Imitation No. 3
- 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)
- CuraÇao, Imitation No. 1, Liquor Base
- CuraÇao, Imitation No. 2
- 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)
- Fish, Odor (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)
- GiroflÉ (Clove), Tincture
- Glace Cake Mix
- Gooseberry, Extract (Natural)
- Grape, Extract (Natural)
- 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
- 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, 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, Synthetic No. 1

- Hop, Synthetic No. 2
- 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, Powdered (Concentrate)
- 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, Synthetic No. 1
- Mango, Extract (Natural)
- Mango, Imitation
- Maple
- Maple, Flavor
- Maple, Syrup
- Maraschino, Imitation No. 1
- Maraschino, imitation No. 2
- Maraschino, imitation No. 3
- Maraschino, imitation No. 4
- Marshmallow
- Melon, Synthetic No. 1
- Melon, Synthetic No. 2
- Melon, Synthetic No. 3
- Melon, Synthetic No. 4
- Melon, Synthetic No. 5

Mentha, Cream

Milk, Caramel

- Mint
- Mirabelle
- Mirabelle (Plum), Extract (Natural)
- Mirabelle (Plum), Imitation
- Mirabelle (Plum), Synthetic
- Mulberry Synthetic No. 1
- Mulberry, Synthetic No. 2
- Mulberry, Synthetic No. 3
- Mushroom, Imitation No. 1
- Mushroom, Imitation No. 2
- Nectarine
- Noisettee
- 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, Synthetic No. 1
- Orange, Synthetic No. 2
- Oregano, Type
- Peach, Extract (Natural)
- Peach, Imitation No. 1
- Peach, Imitation No. 2
- Peach, Imitation No. 3
- Peach, Synthetic No. 1
- Peach, Synthetic No. 2
- Peach, Synthetic No. 3
- Pear, Extract (Natural)
- Pear, Imitation No. 1
- Pear, Imitation No. 2
- Pear, Imitation No. 3
- Pear, Synthetic No. 1
- Pear, Synthetic No. 2
- Pear, Synthetic No. 3
- Pear, Synthetic No. 4
- 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

- "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), Synthetic No. 1
- Pineapple (Ananas), Synthetic No. 2
- Pineapple (Ananas), Synthetic No. 3
- Pineapple (Ananas), Synthetic No. 4
- Pineapple (Ananas), Synthetic No. 5
- Pistachio Nut, Imitation No. 1
- Pistachio Nut, Imitation No. 2
- Pistachio Nut, Imitation No. 3
- Pistachio Nut, Imitation No. 4
- Plum, Extract (Natural)
- Plum, Imitation No. 1
- Plum, Imitation No. 2
- Plum, Imitation No. 3
- Plum, Imitation No. 4
- Plum. Imitation No. 5
- Plum, Synthetic
- 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)
- Proteinic Basic Flavor
- 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, 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
- · Rosemary, Chili
- Rum, Ether Flavor
- Rum, Imitation No. 1
- Rum, Imitation No. 2
- Rum, Oil
- Rum, Synthetic No. 1
- Rum, Synthetic No. 2
- Rum, Synthetic No. 3
- Saint John's 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 "General Base"
- Strawberry, Synthetic No. 6
- Strawberry, Synthetic No. 7
- Strawberry, Synthetic No. 8
- Syrup, Base for Flavor (Pancake)
- · Syrup, Simple, Base for Flavor
- Tamarind, Extract (Natural)
- Tangerine, Extract (Natural)
- Tangerine, Imitation No. 1
- Tea, Natural No. 1
- Tea, Natural No. 2
- Tea, Natural No. 3
- Tobacco formulas for improving flavor and odor
- Tobacco, Chewing, Flavor No. 1
- Tobacco, Chewing, Flavor No. 2
- Tobacco, Cigarette, Flavor No. 1
- 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
- 16. BIS SPECIFICATIONS 435
- 17. ISO STANDARDS 441
- 18. FACTORY LAYOUT AND PROCESS FLOW CHART & DIAGRAMS 442.
- 19. PHOTOGRAPHS OF PLANT & MACHINERY WITH SUPPLIER'S

#### **CONTACT DETAILS 466**

- Electrical Perfume Making Machine
- Perfume Mixing Tank
- Automatic Perfume Filling Machine
- Automatic Perfume Making Mixer
- Filling Machine
- Perfume Extraction Equipment
- Aerosol Filling Machine
- Aerosol Can Crimping Machine

# **About NIIR**

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes varies process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

NIIR PROJECT CONSULTANCY SERVICES, 106-E, Kamla Nagar, New Delhi-110007, India. Email: npcs.india@gmail.com Website: NIIR.org

Tue, 01 Jul 2025 03:25:31 +0000