Food Flavours Technology Handbook

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No doubt flavour is one of the most important attributes of the food products we eat in our daily life. Man does not eat simply to live but even more so lives to eat. Flavourings are focused on altering or enhancing the flavours of natural food product or creating flavour for food products that do not have the desired flavours for example bakery goods and other snacks. Flavour is generally defined in terms of three components; odour, taste and texture. Its characterization is concern with the similarities in human flavour perception using methods that designed to average out the differences. The flavour of foods may be classified as natural flavour (pre existing in diet particularly in fruits, vegetables and spices), process flavour (arising in end products as a result of conventional processes), compounded flavour (intentionally added flavouring), taste modifiers and abnormal taste and taints. Some of the flavouring materials produced by processing are chocolate, cheese, blue cheese, yogurt, wine, aroma chemicals etc. The flavour industry has become a vital element in the growth and success of food and beverage industries worldwide. The flavours industry remains very country specific and complex, with product formulations and flavours varying from country to country, as well as from region to region within countries. Processed foods, their flavours and textures, are adapted to local consumer preferences. Local or traditional foods have unique flavours evolving from the indigenous climate, land, etc. Generally speaking, trends in flavours closely mirror those in the packaged food and drink market. This includes the trends toward premium quality, savoury, natural and authentic, and health and wellness. 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.

This book majorly deals with flavour in fruits and vegetables, additional pathways for vegetable flavour, change in food flavour after processing, flavours formed via fermentation, odd flavours in foods, odd flavours due to chemical changes in the food, relationships between the food and flavour manufacturers, flavour characters of herbs preparation of herbs for marketing, flavour constituents of grapes and wine, dried inactive yeast powder, synthetic flavouring materials, flavour potentiators, baked goods and bakery products, sugar and chocolate confectionery, techniques of sensory testing, fruit based products, gas chromatography, microbiological analysis

The present book contains formulae, processes of various flavours applied in food and beverage industries. This book is intended to be a practical companion to the flavourist, technologists, entrepreneurs, libraries or for those who are already in the field of manufacturing.

Contents

1. Flavour Characterization Psychophysics

Flavour Chemistry 2. Flavour in Fruits and Vegetables Fruit Aroma Flavours from Fatty Acid Metabolism Flavours from Amino Acid Metabolism Flavours Formed from Carbohydrate Metabolism Flavour Formation from Cysteine Suifoxide Derivatives Flavour Formation from Glucosinolates Additional Pathways for Vegetable Flavour Formation Location of Flavour in Plant Plant Foods Genetics Environmental Effects on Flavour Development Influence of Maturity on Flavour Development Effects of Postharvest Storage Conditions on Flavour Development Animal Products 3. Change in Food Flavour after processing Non-enzymatic Browning General Overview of Non-enzymatic Browing Factors Influencing Browning Rate Formation of Flavour Compounds Carbonyls Pyrazines Pyrroles Pyrroles **Pyridines** Miscellaneous Nitrogen Heterocyclics **Furanones and Pyranones** Sulfur Heterocyclics Oxazotes and Oxazolines Flavours from Lipids Deep Fat Fried Flavour Lactones Secondary Reactions Flavours Formed via Fermentation Esters Acids Carbonyls Alcohols Terpees Lactones Pyrazines Conclusion 4. Odd Flavours in Foods **Environmental Contamination** Airborne Sources Waterborne Sources Disinfectants, Pesticides, and Detergents Packaging Sources Odd-Flavours Due to Genetics or Diet

Genetics Diet Odd Flavours Due to Chemical Changes in the Food Lipid Oxidation Nonenzymatic Browning Photo-Induced Odd-Flavours Microbial Odd-Flavours 5. Flavours and Flavouring Materials Food Acceptance Taste Odour Flavour materials Natural Flavourings Artificial Flavourings Progressive Use of Synthetics **Typical Synthetics** Compounding Flavour Precursors Flavourings in Foods Added Flavourings **Compounded Flavourings** Flavouring Materials Solid Flavouring Materials Liquid Flavouring Materials Semi-fluid or Paste Flavouring Products The Flavour Industry Relationships between the Food and Flavour Manufacturers 6. Isolation of Food Flavours Headspace Method **Direct Injection** Adsorbent trapping Isolation of Flavours by Distillation Methods Equipment and Procedures Solvent Selection Solvent impurities Solvent Extraction of Fatty Foods Isolation of individual Classes of Volatile Flavours Sulfur Compounds Acids Alcohols Carbonyls Amines Concentration of Dilute Organic and Aqueous Flavour Isolates Evaporation Freeze Concentration Adsorption Flavour Analysis by Direct injection Gas Chromatography Fractionation of Flavour Isolates Gas Chromatography of Flavour Concentrates Capillary Column GC

GC Detectors 7. High Resolution Infrared Specctra of Some Naturally Isolated Food Flavours 8. Flavouring Materials of Natural Origin Natural Flavours and Flavourings: Sources of Natural Flavouring Materials Standards of Purity Sensory Assessment Flavour Profiles Spice Importation Herbs and Spices Herbs Spices **Historical Associations Commercial Considerations** Relationships of Components and Profiles **Classification of Herbs and Spices** Flavour Characters of Herbs Preparation of Herbs for Marketing Production and Economic Aspects **Recent Developments** Specifications Analysis and Quality Purchasing and Processing Use of Spices Individual Spices Anise Seed Basil Sweet Basil Bay Laurel Leaves. Benne Also Benni or Bene Capsicum. Caraway Seed Cardamom Seed Cavenne Celery Seed Chilli Powder Chilies Cinnamon Cloves Coriander Seed Cumin Seed **Curry Powder** Dill Seed Fennel Seed Fenugreek Seed Foenugreek **Garlic Powder Garlic Salt** Ginger Mace Marjoram (Sweet Marjoram) Mint Mustard Nutmeg **Onion Powder**

Onion Salt Oregano Parsley (Parsley Flakes) Parsley Seed Pepper, Black Pepper, White Poppy Seed **Red Pepper** Rosemary Saffron Sage Savory Summer Savory Sesame Seed Benne, Benni, or Bene Seed Tarragon Estragon Thyme Turmeric Curcuma Vanilla Spice Processing-Milling Microbiology of Spices Gas Sterllization of Spices Spice Essential Oils **Distillation ot Volatile Oils** Gamma Irradiation Spice Essential Oils Application of Spice Essential Oils Essential Oil Content of Spices Extraction and Oleoresins Solvents The Extraction Process Quality of Oleoresins Application of Oleoresins Seasonings Flavour Index and Formulation Plants as Sources of Essential Oils Citrus Fruits **Processed Citrus Oils** Other Citrus Peel Oils Citrus Leaf and Flower Oils Peppermint Spearmint **Blended Peppermint Oils Composition of Mint Oils** Other Commercially Important Sources Fruit, Fruit Juices and Concentrates **Classification of Fruits** Fruit Juice and Flavour Fruit Juice Extraction Preservation of Fruit Juices **Concentrated Fruit Juices Recovery of Aromatics** Brix Value Blending of Fruit Juices-WONF **Depectinized Juices**

Dehydrated Fruit Juices Fruit Pastes and Comminutes **Historical Introduction** The Vanilla Plan The Curing Process Classification and Grading of Vanilla Beans The Flavour of Vanilla The Chemistry of Vanilla Flavour Precursors and the Development of Flavour during Curling Vanilla Absolute Vanilla Sugar Authenticity of Vanilla Extracts Vanillin and Ethyl Vanillin Beverage Flavours Cacao (Cocoa) The Flavour of Cocoa Chocolate Coffee The Flavour of Coffee Caffeine Теа Onion The Flavour of Onion **Dehydrated Onion** The Flavour of Garlic 9. Chemical Modification of Turmeric Oil to more value added products Results and Discussion Conclusion Experimental Reduction of turmerones to turmerols: Acetates of turmerols: Propionates of turmerols: Butyrates of turmerols Catalytic hydrogenation of turmerones Reduction of dihydro-turmerones to dihydrotermerols Acetates of dihydro-turmerols Propionates of dihydro-turmerols Butyrates of dihydro-turmerol Acknowledgement 10. Flavouring Materials made by Processing Natural Products Made by Roasting: Cocoa/Chocolate Production of Cocoa Powder The Dutch Process Chocolate Reaction Flavours: Imitation Meat Flavours Imitation Meat Flavours Hydrolyzed Vegetable Protein-H VP Autolyzed Yeast Extract

Enzymatically Derived Flavourings: Butter, Cheese Butter The Flavour of Butter **Enzymatic Production of Butter Flavours** Butter Oil Cheese Cheese Flavour Cheddar Cheese Flavour Blue Cheese Flavour Enzyme-Modified Cheese (EMC) Lactic Acid Fermentation-Yogurt Yogurt Flavour Flavourings for Yogurt Flavours Made by Fermentation Yeasts Vinegar/Actetic Acid Wines **Quality Factors** Wine Making Flavour Constituents of Grapes and Wine Dried Inactive Yeast Powder **Biotechnology: Production of Aroma Chemicals** Micro-organisms in Flavour Formation Flavours Made by Pyrolysis: Smoke Flavours The Smoking of Foods Natural Liquid Smoke Flavourings Pyroligneous Acid Smoke Condensates Chemistry of Smoke Flavours Flavour Chemicals **Colour Compounds Polycyclic Aromatics** Methods of Application 11. Synthetic Flavouring Materials Imitation Flavourings: Matching Nature Synthetic Organics **Quality Control Consumer Attitudes toward Synthetic Chemicals** Classification of Flavourants by Molecular Structure Sensory Characters of Organics Hydrocarbons Carboxylic Acids Acetals Alcohols Carbonyls Ketones Esters Heterocyclic Compounds Ketals Lactones Nitrogen-Containing Compounds Amines

Imines Amino Acids Isothiocyanates Phenols Sulfur-Containing Compounds Sulfides Solvents **Extraction Solvents** Nomenclature of Organic Chemicals 12. Flavour Potentiators **Chemical Properties** Structure Stability Sensory Properties Influence on Taste Influence on Aroma Synergism Mode of Action Flavour Potentiators in Foods Naturally Occurring Added to Foods Source of Commercial Potentiators Toxicity Monosodium Glutamate **Other Potentiators** 13. Appliation of Flavouring Flavours in Foods Achieving Flavour Balance **Consumer Acceptance** Flavour Defects Flavour Intensification Flavour Suppression Criteria for Application of Flavourings Acceptability to the Consumer Legal Acceptability Nature of Product as Sold and as Consumed Processing Conditions **Available Flavourings Processing Parameters** Temperature and Time Open or Closed System The Mixing Sequence Pressure Contact with Air **Specific Flavouring Applications** Meat Products Baked Goods and Bakery Products Snack Foods Baked Goods and Bakery Products Sugar and Chocolate Confectionery Soft Drinks 14. Flavour Production Liquid Flavourings

Emulsions **Dry Flavourings** Extended or Plated Flavours Phase Separation/Coacervation Processes Addition and Mixing Emulsification Solidification and Hardening Separation Washing Drying **Dehydration Processes** Emulsification Dehydration Extrusion 15. Sensory Testing Method Test Purpose and Objectives Applications Panel Selection and Indoctrination Types of Judges Eligibility Indoctrination Panel Morale Conditions of Testing Techniques of Sensory Testing Sample Handling Sample Carriers Sample Presentation. Sample Coding **Testing Methods** Analysis and Reporting of Test Results. **Directional Triangle Tests** Paired Difference Testing Paired Intensity Testing 16. Quality Control Natural Plant Materials General tests Tests of limited application Additional specific tests **Essential Oils** General tests Tests of limited application Instrumental tests Specifi tests for constituents Tests specific for citrus oils Oleoresins General tests Specific tests Plated or Dispersed Spices General tests Tests of limited application Synthetic Chemicals General tests-liquids General tests-solids

Specific tests for chemical identity and purity-Instrumental methods Flavourings General tests-liquid flavourings General tests-emulsions General tests-encapsulated dry flavourings Vanilla Extract Fruit-Based Products General tests Special tests Specific Gravity **Refractive Index Optical Rotation** Alcohol Content Residual Solvent Particle Size of Emulsions Volatile Oil Surface Oil Moisture Content Gas Chromatography Microbiological Analysis

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