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This reference provides answers and solutions to a wide variety of queries and difficulties commonly encountered by industry professionals in the development, manufacture, packaging and distribution of soft drinks, fruit juices and packaged waters. Arranged in practical question and answer format, the information can be found quickly and easily, whether the book is being used as a basic source of information, a problem-solving manual, or training tool. Issues discussed include manufacturing limitations and shelf-life predictions during product development, beverage ingredients, manufacturing concerns from ingredient sourcing to filling operations and quality, safety, shelf-life and regulatory issues.

Contents.

Product Development. Issues Affecting Product Development. The Marketing Brief. Cost Constraints. Packaging Required. Manufacturing Limitations. Shelf-Life Predictions. Product Assessment. Beverage Ingredients: Water. Fruit Components. Carbohydrate Sweeteners. Intense Sweeteners. Flavourings. Colourings. Preservatives. Miscellaneous Additives. Manufacturing. Ingredient Sourcing and Storage. Manufacturing and Compounding Problems. Processing. Filling Operations. Secondary Packaging. Finished Product Storage. Quality Issues. Ingredient Quality. Ingredient Interactions. Specifications. Problems During Manufacture. Colour and Appearance Changes. Flavour Deterioration. Packaging Interactions. Microbiological Problems. Shelf-Life Issues. Packaging. Selection. Defects. Operational Packaging Problems. Post Filling Defects. Storage and Distribution. Storage Conditions. Distribution Problems. Consumer complaints. Environmental Issues. Regulatory and Statutory Issues.