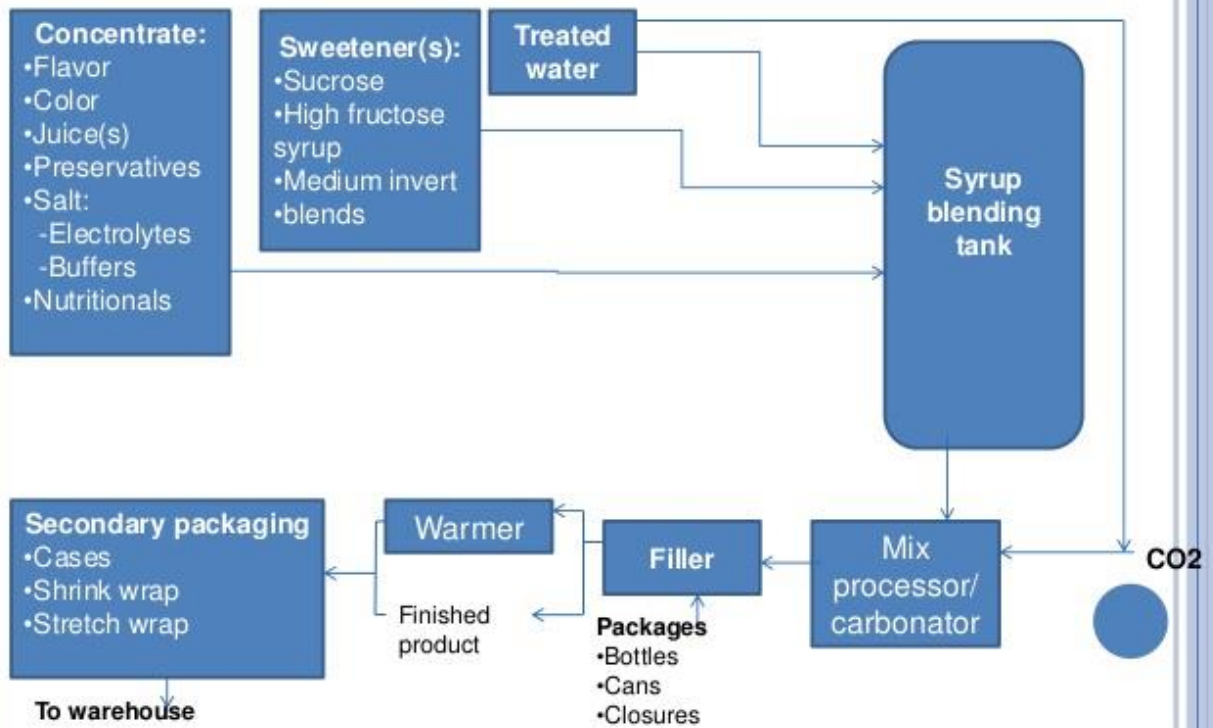
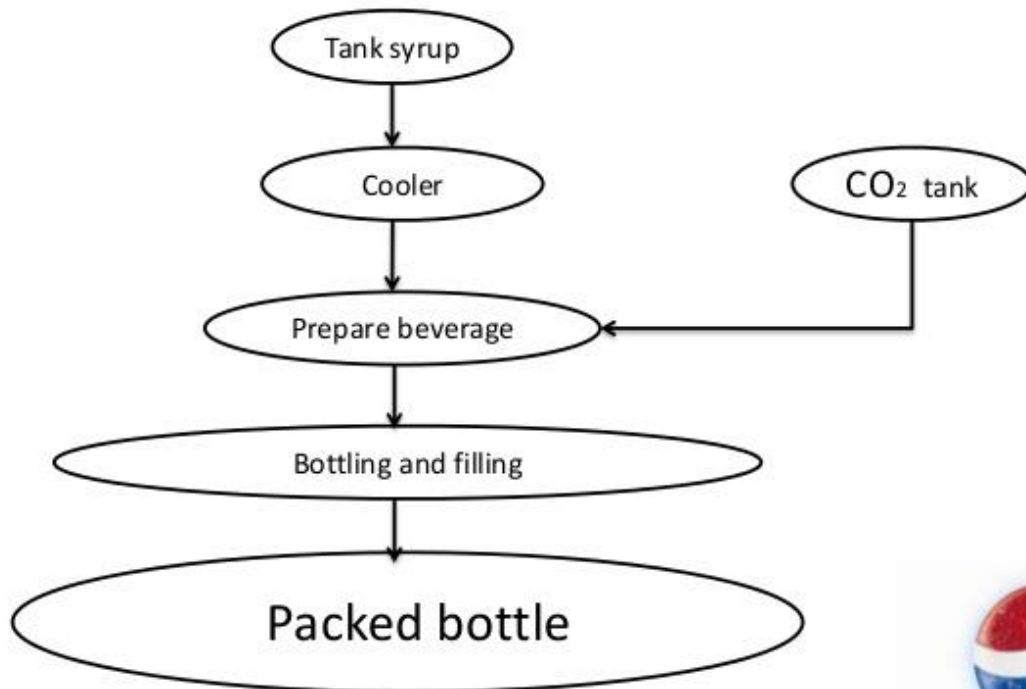


PROCESS OVERVIEW OF CARBONATED BEVERAGE MANUFACTURE:



PREPARATION AND BOTTLING OF SOFT DRINK:



What Is Soft Drink?

“A soft drink is a drink that contains no alcohol but is usually referred to as a sugary drink.”

OR

“Sweetened water based beverage usually with balancing acidity”

A soft drink is:

- **Non alcoholic beverage.**
- **Carbonated water.**
- **Sweetened by the addition of sugar.**
- **Is flavored and coloured.**



Categories Of Soft Drinks:

1. Carbonated Soft Drinks:

Contain carbon dioxide.

e.g.: Pepsi, Coke, Fanta etc.

2. Non Carbonated Soft Drinks:

No carbon dioxide.

e.g.: Juices, Nectars, Squashes, etc.

Types of soft drinks:

1. Ready to drink (RTD): e.g., all Colas and Juices

2. Dilute-to-taste: e.g., all Syrups and Squashes



Category	Examples	Typical ingredients	Carbonation	pH	Simple sugars
Colas and lemonades	Coca Cola, Pepsi	Sweetener, sugar, acids, flavours (juices), preservatives	Medium to high	2.4–3.2	0–10%
Wellness drinks	Fenix, Hyvää Päivää	Botanical extracts, soluble fibres, vitamins, minerals, preservatives	Low to medium	3.5–4.5	2–7%
Malt-based beverages	Bionade, Naturade	Fermented wort, organic flavours, sweeteners	Low to medium	nd	nd
Energy drinks	Red Bull, Battery	Caffeine, taurine, herbal extracts, L-carnitine, sugar, glucuronolactone, B-vitamins, preservatives	Low to medium	2.5–3.2	1.4–14%
Sports drinks	Gatorade	Salts, simple sugars (caffeine, amino acids), preservatives	None to low	3.2–4.0	5.5–8%
Tooth-friendly beverages	Good for me	Non-nutritive carbohydrates, preservatives	None to low	≥5.0	0%

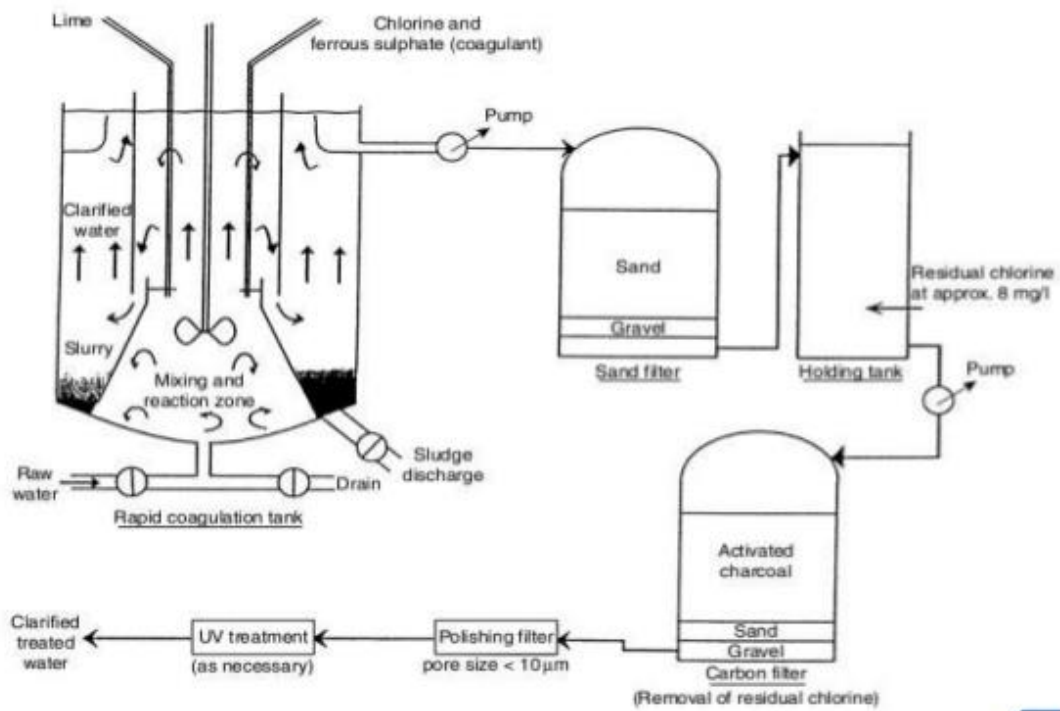


Diagram of a water treatment process using rapid coagulation



The manufacturing process

Tea (Camellia Sinensis) Processing Chart

