

Experiment-2

Pharmaceutics

D.Pharma 1st Year Notes

Experiment-2

- To prepare and submit 30 ml of Simple Syrup IP

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To prepare and submit 30 ml of Simple Syrup IP

Aim: To prepare and submit 30 ml of Simple Syrup IP.

Reference: 1. Mehta R.M., Dispensing Pharmacy, Vallabh Prakashan, New Delhi, 2017; 155 – 156.

Requirements: Apparatus Required: Mortar & pestle, weigh balance, measuring cylinder, glass rod, spatula, beaker, stirrer etc.

Chemical Required: Sucrose and purified water.

Principle: Syrups are sweetened, viscous, concentrated solutions of sucrose or other sugars in water or any other suitable aqueous vehicles. These are further classified into 2 classes.

1. Simple flavored syrups
2. Medicated syrups

Simple flavor syrups: Do not contain any medicament or drug. These syrups are used as a vehicle for other Liquid preparation to mask the disagreeable taste of drug.

Medicated syrups: These contain some medicinal substance along with their other additives. Sucrose concentration in simple syrup is a 66.7 %w/w.

Formula:

Sl. No	Ingredients	Official formula	Required Quantities
1.	Sucrose	667gm	
2.	Purified water, quantity sufficient to produce (q. s)	1000 ml	30 ml

Calculations:

Procedure:

- Add water to sucrose in a beaker and heat on water bath until sucrose dissolves add sufficient boiling water to produce the final volume. Filter hot syrup through cotton wool.
- Cool the syrup and preservatives may be added for stability. Add more purified water to make up the required volume.

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- Filter and transfer in a suitable container.

Category:

- Sweetening agent, vehicle

Use:

- Simple Syrups are used as vehicles for drugs such as antibiotics, Antihistaminic, antitussives and vitamins.

Storage:

- Stored in a well-closed container at a temperature not exceeding 25°C.

Label:

SIMPLE SYRUP IP 30ml	
Composition: Sucrose Purified water	BATCH NO. MFG. DATE: MFG. LIC. NO.:
Category: Sweetening agent, vehicle	EXPIRY DATE:
FOR INTERNAL USE ONLY	
Use: Simple Syrups are used as vehicles for drugs such as antibiotics, Antihistaminic, antitussives and vitamins. Storage: Stored in a well closed container dark in a cool place and temperature not exceeding 25°C	
MFG. BY: ABCD	Batch: Roll No.:

Results:

