

Exp. No. 1

Date:

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)	1000ml	30ml

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. 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:
Category: Sweetening agent, vehicle	MFG. LIC. NO.:	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 ⁰ C		
MFG. BY: ABCD	Batch:	Roll No.:

Report: