

**Label:**

<p><b><u>Composition:</u></b> 50 ml contains: Sucrose : Purified Water :</p> <p><b><u>Uses:</u></b> As a Sweetener. As a Vehicle.</p> <p><b><u>Precaution:</u></b> Not for diabetic patients.</p> <p><b>Manufactured By:</b></p>	<p><b>SIMPLE SYRUP</b></p>	<p><b>Storage:</b> Store in a well closed container at a temperature not exceeding 25<sup>0</sup>C.</p>
	<p><b>ORAL SOLUTION (I.P.) 50 ML</b></p>	<p><b>Mfg. Lic. No.:</b> <b>Batch No. :</b> <b>Mfg. date :</b> <b>Exp. Date :</b> <b>MRP Rs :</b> <b>(Inclusive of all taxes)</b> <b>Marketed By:</b></p>

**Calculation:**

$$\text{Factor} = \frac{\text{Required quantity}}{\text{Quantity given}} = \dots\dots\dots$$

## Practical -1

Date: .../.../.....

**Aim:** To prepare and submit 50 ml of Simple Syrup I.P.

**Reference:**.....  
.....

**Requirements:**

**Apparatus/Equipment required:**.....

**Chemical required:**.....  
.....

**Theory:**

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

**Simple Syrup Formulation Table:**

S. No.	Chemical Name	Quantity Given (100ml)	Quantity Taken (Factor x Quantity given)	Uses of Ingredients
1.	Sucrose	66.7 gm		Sweetener
2.	Purified Water/ Distilled Water (q.s.)	Upto 100 ml		Vehicle

**Procedure:**

1. Transfer the weighed amount of sucrose in conical flask.
2. Add sufficient amount of water.
3. Macerate it with cold water or heat the solution.
4. It can also be agitated to accelerate the solubilization.

**Storage:** Store in a well closed container at a temperature not exceeding 25<sup>0</sup>C.

**Uses:** Pharmaceutical acid and sweetening agent.

**Observation and Evaluation:**

Name of the Preparation	Test	Specification	Observation
Simple Syrup	Description	Clear	
	Colour	Colourless or slightly yellow	
	Odour	Odourless	
	Volume	50 ml	

**Result:** I have prepared and submit the \_\_\_\_\_ in a neat and cleaned glass bottle and labelled it properly.

**Questions Bank**

1. Define Syrup.
2. Why syrup is a self-preservative?
3. Why syrup should be stored at cool temperature.
4. What is the medicated syrup?
5. Write the difference between Syrup I.P. and Syrup B.P.
6. What is the difference between purified water and distilled water?
7. What is the preservative? Give suitable example.
8. What is sucrose? Write the different type of sweetener.
9. What is the diabetes? Write the type of diabetes.
10. What is the meaning of dosage form expiry date?