

## **Calamine lotion**

**Aim:** To prepare and dispense 30 ml of calamine lotion.

**Requirements:** Calamine, Zinc oxide, Bentonite , Glycerin, sodium citrate, Liquefied phenol ,rose water.

**Apparatus:** Beaker, Purified water, Glass rod, Mortar & Pestle and Measuring cylinder.

**Principal:** It is a suspension Containing in diffusible Solids for external use , bentonite as a suspension agent, dispersion of bentonite is observed if it is mixed intimately with in soluble medicament i.e calamine & zinc oxide are astringents & protective agents. The sodium citrate causes partly deflocculation of calamine and transfers bentonite from gel to solid in its absence. Hence it is thicker & difficult to pour from bottle.

**Procedure:**

1. Mix the weighed amounts of Calamine, Zno, Bentonite in a mortar& pestle.
2. Triturate with a solution of sodium citrate in 25 ml of water.
3. Add required amounts of liquified phenol & Glycerine.
4. Mix well, to this add more of vehicle to produce required volume, mix thoroughly so as to get uniform preparation.

**Directions:**

1. Shake well before use.
2. To be applied 2-3 times a day.

**Uses:**

1. This is used as astringent.
2. Used as smoothening agent and gives relief from itching and pain during skin diseases and infections.
3. It is also used in ring worm infections .

**Report:**

S.no	Ingredients	Official quantity	Required quantity
1.	Calamine	150gm	
2.	Zinc oxide	50gm	
3.	Bentonite	15gm	
4	Glycerine	5ml	
5.	Sodium citrate	5ml	
6.	Liquefied phenol	50ml	
7.	Rose water	1000ml	

**LABEL:**

<b>CALAMINE LOTION</b>	
Name:	Age:
Sex:	Ref.no:
Date of dispensing:	
<b>SHAKE WELL BEFORE USE</b>	
<b>FOR EXTERNAL USE ONLY</b>	
<b>Storage:</b> Stored in a air tight container in cool place	
Prescribed by:	
Dispensed by:	
Adderss of pharmacy: VNIPS	