

LABEL:

WHITE LINIMENT BPC		
50 ml		
Composition:		
Ammonium Chloride :	BATCH NO.	MFG. DATE:
Dil. Ammonia Solution :		
Oleic Acid :	MFG. LIC. NO.:	EXPIRY DATE:
Turpentine oil :		
Purified water :		
Category: Arthalgia & Rubefacient		
FOR EXTERNAL USE ONLY		
Use: Liniment of turpentine is used externally in a patient suffering from arthalgia, myalgia, fibrositis and sprain.		
Storage: Stored in a well closed container dark in a cool place and temperature not exceeding 25°C		
MFG BY:	Batch:	Roll No.

Calculation:

Experiment - 13

Aim: To prepare and submit 50 ml of White Liniment BPC.

Reference:.....

Requirements:

Apparatus Required:

- Mortar & pestle
- Glass rod
- Funnel
- Weigh balance
- Spatula
- Measuring cylinder
- Beaker

Chemical Required:

- Ammonium chloride, Dil. Ammonia Solution, Oleic acid, turpentine oil, purified water.

Principle:

In white liniment, turpentine oil is emulsified with Ammonium oleate produced from oleic acid and dilute ammonium solution, and this emulsifying agent (ammonium oleate) is oil in water emulsifying agent (monovalent soap) but the preparation also contain NH_4Cl which due to common ion effect depress the ionization of the soap.

White Liniment BPC Formulation:

S. No.	Ingredients	Official formula	Required quantities	Uses
1.	Ammonium chloride	12.5 gm		
2.	Dil. Ammonia Solution	45 ml		
3.	Oleic acid	83.3 ml		
4.	Turpentine oil	250 ml		
5.	Purified water	625ml	50 ml	

Procedure:

- ❖ Mix turpentine oil and oleic acid in a bottle.
- ❖ Add an equal volume of warm water (50°C) to a dilute ammonia solution. Then add this dilute solution (in small amount to the oily liquid, shake vigorously after each addition).
- ❖ Dissolve the ammonium chloride in the rest of the water and add it to the bottle (in small amount) and shake vigorously after each addition.

Marketed Formulation:



Category: Counter irritant & rubefacient.

Use:

- ✓ Liniment of turpentine is used externally in a patient suffering from arthralgia, myalgia, fibrositis, and sprain.
- ✓ White Liniment is a rubefacient, which is a substance that warms the skin.
- ✓ It is used for relief from sciatica, Sprains, lumbago and rheumatoid pains.
- ✓ It is also recommended for the relief of Stiff Joints, Bruises, Swellings, Neuralgia or Muscular Pains, Stiff Neck, Lame Back, Tired Feet, Sting or Bite of Insects, etc.

Storage: It should be store in a well closed container dark in a cool place.

Report: I have prepared theml White Liniment according to BPC and dispense in neat and clean container with proper labeling.

Questions Bank

1. What is White Liniment?
2. What is the Sciatica pain?
3. What is the use of White liniment?
4. What is the Lumbago pain?
5. What is the Rheumatoid pain?
6. What is the dil Ammonia solution?
7. Write is the use of oleic acid in White liniment?
8. What is the use of Turpentine oil in White liniment?
9. What is the use of Ammonium chloride in White liniment?
10. What is the hindi name of Ammonium chloride?