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Diploma in Pharmacy 1st Year
Pharmaceutics
Experiment
To prepare Simple Ointment.

Aim:

To prepare simple ointment

Reference :

‘ Dr. Gupta G.D , Dr. Sharma Shailish , Dr. Sharma Neelam’ “Practical Manual of Pharmaceutics” Published by Nirali Prakashan, Page no 31 - 34

Requirment :

Burner, tripod stand, wire gauze, beaker, glass rod, cetostearyl alcohol, white petrolatum, hot plate, and water.

Theory :

Cetostearyl alcohol and white paraffin were used to make a simple ointment base that followed the standard guide line. A vehicle to combine the medicinal compounds in an ointment is known as an ointment base. Purine is a group of chemicals having purine as a base, like uric acid, adenine, xanthine, and theobromine.

Formulation Table for Simple Ointment

Ingredient	Quantity required for 100 g	Quantity required for 50g
Wool Fat	5.0 g	2.5 g
Hard Paraffin	5.0 g	2.5 g
Cetostearyl alcohol	5.0 g	2.5 g
White Soft Paraffin	85.0 g	42.5 g

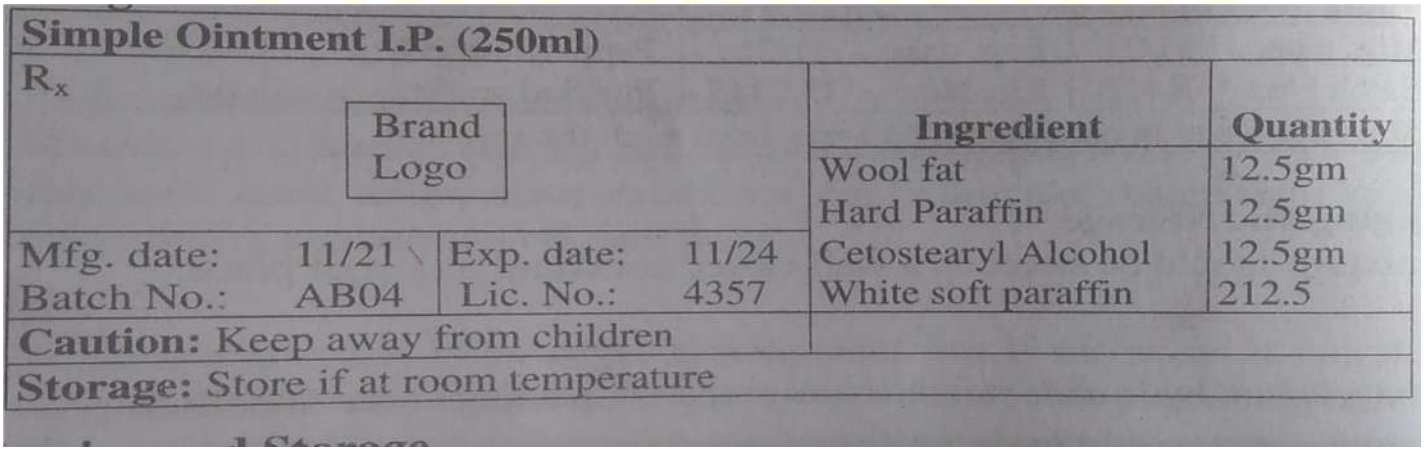
Procedure :

- The cetostearyl alcohol and white petrolatum should be meltedon a hot plate.
- The mixture should be heated to 70°C.
- Remaining ingredients should be dissolved in water and the solution should be heated to 70° C.
- Oleaginous phase should be added slowly to the aqueous phase and stirred constantly.
- The product should be removed from heat and should stir the mixture unless
- it becomes semi solid.

Packaging and Storage :

Ointments should be stored in tightly closed and completely filled containers, as changes in temperature may lead to the crystallisation of the drug and may alter the properties of the ointment base. Ointments should be usually dispensed in jars of glass or plastic material or in collapsible tubes.

Label :



Simple Ointment I.P. (250ml)

R_x

Brand Logo

Ingredient	Quantity
Wool fat	12.5gm
Hard Paraffin	12.5gm
Cetostearyl Alcohol	12.5gm
White soft paraffin	212.5

Mfg. date: 11/21 Exp. date: 11/24
Batch No.: AB04 Lic. No.: 4357

Caution: Keep away from children

Storage: Store if at room temperature

Result :

The simple ointment base was prepared, packaged and labelled.