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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 melted on 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	
Mfg. date:	11/21 \	Exp. date:	11/24	Cetostearyl Alcohol	12.5gm
Batch No.:	AB04	Lic. No.:	4357	White soft paraffin	212.5
Caution: Keep away from children					
Storage: Store if at room temperature					

Result :

The simple ointment base was prepared, packaged and labelled.

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Amir Khan

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