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# Diploma in Pharmacy 1<sup>st</sup> Year

## Pharmaceutics

### Experiment

To formulate sulphur ointment as per monograph standards and dispense with appropriate packaging and labeling.

#### Aim:

To formulate sulphur ointment as per monograph standards and dispense with appropriate packaging and labeling.

#### Reference :

‘ Dr. Gupta G.D , Dr. Sharma Shailish , Dr. Sharma Neelam ’  
“Practical Manual of Pharmaceutics” Published by Nirali Prakashan, Page  
no 35 – 39

#### Apparatus and Materials Required :

Precipitated sulphur powder, yellow soft paraffin, simple balance and weighs box, pill tile, spatula (wooden or steel), ointment pos / galli pen, oil paper piece of thread, paper, scissor and glue.

#### Theory :

Sulphur ointment is used as antibacterial drug It is used for dry, flaky skin, eczema, rashes, skin irritations, itching, pimple eruption, and pustules. Pharmaceutical skin remedies containing sulphur are used to treat acne and other skin disorders. It kills bacteria, fungi, scabies mites. and other parasites as well as acts as a keratolytic agent.

Chemically, it is naturally occurring octasulfur (S<sub>8</sub>).

#### Procedure :

- With the help of simple balance and weight box. 1 gm of precipitated and 9 gm of yellow soft paraffin should be weighed properly.
- Then they should be placed on different corners of pill tile

- With the help of spatula, both the ingredients should be mixed intimately and uniformly taking a small amount of precipitated sulphur and yellow soft paraffin at a time.
- Homogenous pasty mass should be formed which is the ointment.
- The ointment should be transferred to the ointment pot which is then covered with a piece of oil paper and tied with thread.

## Formulation Table for castor oil emulsion

Ingredients	Required Quantity
Precipitated sulphur powder	1 gm
Yellow soft paraffin	9gm

## Labelling :

Labelling		
Sulphur Ointment (10gm)		
R <sub>x</sub>	Brand Logo	Ingredient
		Quantity
		Precipitated sulphur powder 1gm
Mfg. date: 11/21	Exp. Date: 11/2	Yellow soft paraffin 9gm
Batch No.: ABC	Lic. No.: XYZ	
NO SIDE EFFECTS		
Caution: FOR EXTERNAL USE ONLY		
Storage: Store it at room temperature and dry place.		

## Packaging and Storage :

- 1) The ointment should be stored in a closed container at room temperature. away from heat, moisture, and direct light.
- 2) It should be kept away from freezing.
- 3) It should be kept away from the reach of children.

## Result :

The sulphur ointment was prepared, packaged and labelled.

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