

# Experiment-10

## Pharmaceutics

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### D.Pharma 1<sup>st</sup> Year Notes

#### Experiment-10

- To prepare and submit 100gm of Sulphur ointment I.P.

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## Experiment-10

**Aim: To prepare and submit 100gm of Sulphur ointment I.P.**

### Reference:

- Mehta R.M., Dispensing Pharmacy, Vallabh Prakashan, New Delhi, 2017; 238
- Pharmacopoeia of India.

### Requirements:

**Apparatus Required:** Mortar & pestle, weigh balance, measuring cylinder, glass rod, spatula, beaker, ointments slab etc.

**Chemical Required:** Sublimed Sulphur, wool fat, hard paraffin, white soft paraffin, Cetostearyl alcohol.

**Principle:** Ointments are semisolid preparation meant for external application to the skin or mucous membrane. They usually contain medicament or medicaments which are dissolved or dispensed or suspended or emulsified as an antiseptic, antifungal agents and Sulphur ointment used to treat different skin infections.

### Formula:

#### Preparation of simple ointment base:

Sl. No.	Ingredients	Official formula	Working formula	Required quantities
1.	Wool fat	5gm		
2.	Hard paraffin	5gm		
3.	Cetostearyl alcohol	5gm		
4.	White soft paraffin	85gm		100gm

Sl. No	Ingredients	Official formula	Working formula	Required quantities
1.	Sublimed Sulphur	10gm		
2.	Simple ointment	9gm		100gm

### Calculation:

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## Procedure:

- Preparation of simple ointment:
- Required quantity of hard paraffin and Cetostearyl alcohol.
- Wool fat and white soft paraffin were incorporated and stirred until all ingredients were melted.
- The mixture was stirred thoroughly until cooled.

## Preparation of Sulphur ointment:

- Sublimed Sulphur was triturated and finely shifted through sieve no.85. Required quantity of Sulphur was taken on ointment base and mix small amount of ointment of simple ointment was gradually added until homogeneous mass was obtained.

**Direction:** Apply as directed.

## Use:

- This are used to treat acne Sulfur ointment.
- This are used to treat seborrheic dermatitis and scabies.

**Storage:** Keep in well closed container and cool place.

SULPHUR OINTMENT I.P 100gm		
<b>Compositions:</b> <ul style="list-style-type: none"><li>• Wool fat</li><li>• Hard paraffin</li><li>• Cetostearyl alcohol</li><li>• White soft paraffin</li></ul>	<ul style="list-style-type: none"><li>• <b>BATCH NO.</b></li><li>• <b>MFG. DATE:</b></li><li>• <b>MFG. LIC. NO.:</b></li><li>• <b>EXPIRY DATE:</b></li></ul>	
<b>Category:</b> Acne		
FOR EXTERNAL USE ONLY.		
<b>Use:</b> This are used to treat acne Sulphur ointment and also used to treat seborrheric dermatitis and scabies.		
<b>Storage:</b> Stored in a well closed container dark and cool place and temperature not exceeding 250C		
<b>MFG BY:</b>	<b>Batch:</b>	<b>Roll No.:</b>

## Result: