**Doctor of Pharmacy**

**Pharmacy Skills Laboratory (PHAR321)**

**Lab 8 : The Compounding and Dispensing of Pastes, and Gels**

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| Exp. Name | **Pastes and Gels** | **Exp. NO.** | **8** |

**Experiment 8.1 : Zinc and Salicylic Acid Paste**

**Product Formula:-**

**Table 1 : PF 1**

| NO. | Ingredients | Quantity | Dispensed by | | | Checked by |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | **Zinc Oxide, finely sifted** |  | | |  |  |
| 2 | **Salicylic Acid, finely sifted** |  | |  | |  |
| 3 | **Starch, finely sifted** |  | |  | |  |
| 4 | **White Soft Paraffin** |  | |  | |  |

**Pharmaceutical Drug in Pharmacy:-**

**Trade name:**

**Company:**

**Active Pharmaceutical Ingredient:**

**About Product:-**

**Product name:**

**Product’s components and their roles:**

**Table 2 : Roles of components 1**

| NO. | Ingredients | Role |
| --- | --- | --- |
| 1 | **Salicylic Acid** | **Laxative** |
| 2 | **Zinc Oxide** | **Natural emulsifier** |
| 3 | **Starch** | **Sweetening agent** |
| 4 | **White Soft Paraffin** | **Flavor** |

**Counseling:-**

1. **Indication (Why the medicine is given ) :**
2. **Administration (How to use it ) :**

**3- Adverse effects**:

**4-Storage Conditions:**

**5-Precautions:**

**Calculations:-**

**Product strength = (API Mass / Total volume) \* 100%**

**Strength=( /100 ml) \*100%**

= % w/v

**Experiment 8.2: Aqueous gel base**

**Product Formula:-**

**Table 3 : PF 2**

| NO. | Ingredients | Quantity | Dispensed by | Checked by |
| --- | --- | --- | --- | --- |
| 1 | **Carbopol** |  |  |  |
| 2 | **NaOH** |  |  |  |
| 3 | **Purified water** |  |  |  |

**Pharmaceutical Drug in Pharmacy:-**

**Trade name:**

**Company:**

**Active Pharmaceutical Ingredient:**

**About Product:-**

**Product name:**

**Product’s components and their roles:**

**Table 4 : Roles of components 2**

| NO. | Ingredients | Role |
| --- | --- | --- |
| 1 | **Carbopol** |  |
| 2 | **NaOH** |  |
| 3 | **Purified water** |  |

**Counseling :-**

1. **Indication (Why the medicine is given) :**
2. **Administration (How to use it ) :**
3. **Adverse Effects :**
4. **Storage Conditions :**

**Calculations:-**

**Product strength = (API Mass / Total volume) \* 100%**

**Strength=( g /100 ml) \*100%**

= % w/v

**Questions:-**

1. **What are the advantages of pastes? How does that indicate their use?**
2. **What is the action of NaOH in the gel formation process?**
3. **Name five gelling agents and give details about two of them.**

**Main Label:-**

**Pharmacy name**: MID Pharmacy

**Pharmacist name**:

**Partner name**: Mohammad Musleh

**Product name:**

**Product strength:**

**Expiration date:**

**Amount prepared:**

**Use:**

**Auxiliary Label:-**

**Main Label:-**

**Pharmacy name**: MID Pharmacy

**Pharmacist name**:

**Partner name**: Mohammad Musleh

**Product name:**

**Product strength:**

**Expiration date:**

**Amount prepared:**

**Use:**

**Auxiliary Label:-**