

**Exp. No. 2****Date:****Aim:** To prepare and submit 20ml of Piperazine citrate elixir.**Reference:**

Mehta R.M., Dispensing Pharmacy, Vallabh Prakashan, New Delhi, 2017; 158 - 160

**Requirements:****Apparatus Required:**

Mortar &amp; pestle, weigh balance, measuring cylinder, glass rod, spatula, beaker etc.

**Chemical Required:**

Piperazine citrate, chloroform spirit, glycerin, orange oil, syrup, purified water.

**Principle:**

Piperazine Citrate Elixir is mainly an anthelmintic. This kind of drug works to paralyze parasites that may invade the host body and cause diseases. It therefore helps to remove the parasites and thus inhibit the spread of disease in the body. The medicine is used to treat ascariasis, enterobiasis, also called common pinworms. The drug immobilizes the parasitic worms first, which are later passed out of the body through stool. This drug can only be obtained with a proper prescription by your doctor and is not available over the counter. The medicine is available in the form a tablet or as syrup.

**Formula:**

Sl. No.	Ingredients	Official Formula	Required quantities
1	Piperazine citrate	180gm	
2	Chloroform spirit	0.5ml	
3	Glycerine	100ml	
4	Orange oil	0.25ml	
5	Syrup	500ml	
6	Purified water	1000ml	20ml

**Calculation:****Procedure:**

Dissolve piperazine citrate in part of water. Then mix with agitation orange oil, glycerin, syrup in chloroform spirit and pour in watery solution of piperazine citrate. Adjust the volume with sufficient purified water. Filter and transfer in a suitable container.

**Storage:**

Stored in a well closed container at a temperature not exceeding 25<sup>0</sup>C.

**Use:**

It is used as anthelmintic which is used in the treatment of worm infections.

**Label:**

<b>PIPERAZINE CITRATE ELIXIR</b>		
<b>20ml</b>		
<b>Composition:</b> Piperazine citrate Chloroform spirit Glycerin Orange oil Syrup Purified water	<b>BATCH NO.</b>	<b>MFG. DATE:</b>
	<b>MFG. LIC. NO.:</b>	<b>EXPIRY DATE:</b>
<b>Category:</b> Anthelmintic		
<b>FOR INTERNAL USE ONLY.</b>		
<b>Use:</b> It is used as an anti-helminthics are used in the treatment of worm infections.		
<b>Storage:</b> Stored in a well closed container dark in a cool place and temperature not exceeding 25 <sup>0</sup> C		
<b>MFG BY:</b> ABCD	<b>Batch:</b>	<b>Roll No.:</b>

**Report**