

# Experiment-4

# Pharmaceutics

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

### Experiment-4

- To prepare and submit 30ml of aqueous iodine solution.

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## Experiment-4

### Aim:

- To prepare and submit 30ml of aqueous iodine solution.

**Reference:** Gupta A.K., Jain V.K., Pharmaceutics-I Practical Note Book, CBS Publishers & Distributors Pvt.Ltd.2020; 15

### Requirements:

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

**Chemical Required:** Iodine, potassium iodide and purified water.

### Principle:

In pharmaceutical practice solution are defined as liquid preparation containing one or more chemical substances usually dissolved in water. Aqueous iodine solution is also known as Lugol's Solution and contain 5%w/v of iodine and 10% w/v of potassium iodide.

### Formula:

Sl. No.	Ingredients	Official formula	Working formula	Required quantities
1.	Iodine	50gm		
2.	Potassium iodide	100gm		
3.	Purified water	1000ml		30ml

### Calculation:

### Procedure:

Dissolve potassium iodide and iodine in a purified water. Shake well till it dissolve.

Then add sufficient purified water to make up the required volume. Filter and transfer in a suitable container.

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**Use:** Antiseptic

**Storage:** Well closed container made up of iodine resistant material.

**Dose:** 0.3 to 2ml.

<b>AQUEOUS IODINE SOLUTION 30ml</b>		
Composition: Iodine Potassium iodide Purified water	<b>BATCH NO.:</b> <b>MFG. DATE:</b> <b>MFG. LIC NO.:</b> <b>EXPIRY DATE:</b>	
Category: Antiseptic		
<b>FOR EXTERNAL USE ONLY</b>		
Use: It is used as an antiseptic Storage: Stored in a well closed container at a temperature not exceeding 25°C		
<b>MFG BY: ABCD</b>	<b>Batch:</b>	<b>-Roll No.:</b>

**Results:**

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