

### Exp. No. 3

**Date:**

**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.

**Use:** Antiseptic

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

**Dose:** 0.3 to 2ml.

**Label:**

<b>AQUEOUS IODINE SOLUTION</b> <b>30ml</b>		
<b>Composition:</b> Iodine Potassium iodide Purified water	<b>BATCH NO.:</b>	<b>MFG. DATE:</b>
<b>Category:</b> Antiseptic	<b>MFG. LIC NO.:</b>	<b>EXPIRY DATE:</b>
<b>FOR EXTERNAL USE ONLY</b>		
<b>Use:</b> It is used as an antiseptic		
<b>Storage:</b> Stored in a well closed container at a temperature not exceeding 25 <sup>0</sup> C		
<b>MFG BY:</b> ABCD	<b>Batch:</b>	<b>Roll No.:</b>

**Report:**