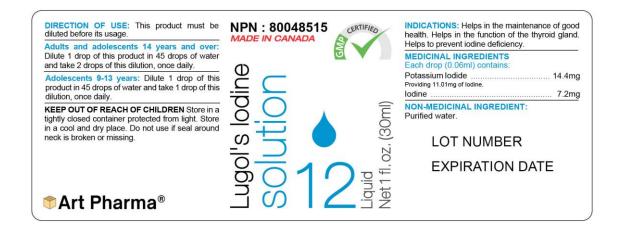
LABEL:

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



Calculation:

Experiment - 9

Aim: To prepare and submit 30 ml of aqueous iodine solution.					
Reference:					

Requirements:

Apparatus Required:

- Mortar & pestle
- Weigh balance
- Measuring cylinder,

Glass rod

Spatula

Beaker

Funnel etc.

Chemical Required:

lodine, 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.

Aqueous Iodine Solution Formulation:

S. No.	Ingredients	Official formula	Required quantities	Uses
1.	lodine	50gm		
2.	Potassium iodide	100gm		
3.	Purified water	1000ml	50ml	

Procedure:

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

Marketed Formulation:









Report: I have prepared theml aqueous iodine solution and dispense in neat and clean container with proper labeling.

Questions Bank

- 1. What is Lugol solution?
- 2. What is the use of aqueous iodine solution?
- 3. What is the chemical formula of potassium iodide?
- 4. What is the roll of potassium iodide in the preparation of Lugol solution?
- **5.** What are the antiseptics?
- **6.** What is the colour of iodine?
- **7.** Write the name of two other antiseptics.
- **8.** Write the chemical composition of Dettol.
- 9. How Lugol solutions work as antiseptics?
- **10.** What is the colour of potassium iodide powder?