

## **TP2 Preparation of solutions and medicaments**

### **2. Making a Dakin's water**

#### **Definition:**

Dakin's water, also known as Dakin's liqueur, has become one of the leading antiseptics on the market. Its composition, using a diluted bleach base as an active ingredient, makes it a very effective liquid in the fight against the proliferation of bacteria or other viral infections.

#### **Objectives:**

Prepare a Dakin water, study of the ions inside the solution.

#### **Materials**

- Electronic balance 1/10th
- Volumetric flasks 50 mL and 100 mL
- Volumetric pipette of 10mL
- Beaker of 100mL
- Spatula
- Distilled water bowl
- commercial bleach

#### **Chemicals:**

- Potassium permanganate
- $\text{NaHCO}_3$

#### **Protocol:**

In a 100 mL volumetric flask, introduce: - 1.5 g  $\text{NaHCO}_3$  - 12.5 ml commercial bleach (concentration 38 g/L hypochlorite ions) - fill to the mark with distilled water. - finally color very slightly with potassium permanganate (a micro tip of spatula).