**Experiment name :** Iodoform

**Classification:** Haloform reaction

**Reaction scheme:**



**Experimental procedure and purification technique:**

In a 250 ml beaker, dissolve KI (3 g, 18 mmol) in water (50 ml) and add aceton (1.1 g, 1 ml, 19 mmol). Following to this step, sodium hypochloride (NaClO) (5%) solution is slowly added with vigorous stirring (the amount of NaClO consumed is ~35 ml, 23 mmol) yielding the target iodoform which precipitates from the reaction environment. Allow the reaction mixture to stand for 10 minutes. Filter off the precipitated crude product and wash well with water then recrystallise from methanol or ethanol. m.p: 119 °C. predicted yield: 1.75 g (74%).

Reference source (1): “Vogel’s Textbook of Practical Organic Chemistry (5th edition)”: -

Reference source (2): “Denel Organik Kimya (6th edition)”: 501.