Exercise I

1) Weigh the starting material on a top loading scale (first together with the plastic bag, then put the material into the apparatus and weigh the empty bag again)
2) Assemble the apparatus, start the circulation of the cooling water and light the Bunsen burner. Use a small flame, keeping the temperature of the oil bath between 140 and 150 °C.
3) The camphor forms white crystals on the condenser. Before the crystals start to fall back on the bottom of the apparatus, stop the heating, lift the condenser out, cover the apparatus with a watch glass to keep camphor vapors from escaping into the environment and scrape the camphor crystals into a dry
container (the container should be weighed beforehand).
4) put the condenser back and start heating the oil bath again. The procedure should be repeated until no more camphor condenses.
5) The apparatus should be cleaned with a dry rag. Rinsing with water is forbidden, water film on the condenser hinders the adhesion of the camphor crystals on the glass surface.