

1. Clean + weigh an evaporating dish. Then add approx 1g of the UK mixture. weigh it to the nearest .01g + record.

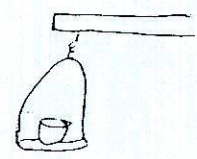


2. On a hot plate, sublime the NH_4Cl , stir w/ a stirring rod occasionally. Continue until the white fumes cease. Cool + weigh the sample.

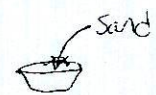
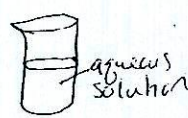
4. Add the water to the evaporating dish. Stir for 5 minutes



3. Measure about 30ml of water



5. weigh a small clean beaker. Pour the aqueous solution from the evaporating dish into the clean beaker. Be careful to keep the sand in the evaporating dish



7. As a check, evaporate the water in the beaker + weigh to determine the Sodium Chloride.



6. Heat the evaporating dish containing the sand to remove the water. Cool + weigh.

Measurements

- a) Evaporating Dish Empty _____
- b) Evaporating Dish + mixture (difference) _____
- c) Evaporating Dish after sublimation (difference) _____
- d) Evaporating dish w/ sand (difference) _____

- Dry Beaker _____
- Beaker + salt _____
- difference _____

weight of:
 SAND: _____
 NH_4Cl : _____
 KCl: _____