

1. Calculate the composition of a convenient quantity of Double Strength Chloroform Water BP, sufficient to satisfy the formula requirements but also enabling simple, accurate measurement of the concentrated component.

Method of compounding for Double Strength Chloroform Water BP

- a. In this case, 75 ml of Double Strength Chloroform Water BP is required and so it would be sensible to prepare 100 ml. To prepare 100 ml Double Strength Chloroform Water BP, measure 5 ml of Concentrated Chloroform Water BPC 1959 accurately using a 5 ml conical measure.
 - b. Add approximately 90 ml of freshly boiled and cooled purified water to a 100 ml conical measure (i.e. sufficient water to enable dissolution of the concentrated chloroform component without reaching the final volume of the product).
 - c. Add the measured Concentrated Chloroform Water BPC 1959 to the water in the conical measure.
 - d. Stir gently and then accurately make up to volume with freshly boiled and cooled purified water.
 - e. Visually check that no undissolved chloroform remains at the bottom of the measure.
2. Weigh 15 g of Acacia BP on a Class II or electronic balance.
 3. Accurately measure 75 ml Double Strength Chloroform Water BP using a 100 ml measure.
 4. Accurately measure 60 ml Arachis Oil BP in a conical measure.
 5. Transfer the Arachis Oil BP to a clean dry porcelain mortar.
 6. Measure 30 ml of Double Strength Chloroform Water BP (from the 75 ml measured in step 3).
 7. Transfer the Acacia BP to the mortar and stir gently (approximately 3 stirs).
 8. Add the 30 ml of Double Strength Chloroform Water BP to the mortar all in one go.
 9. Stir vigorously with the pestle in one direction only until the primary emulsion is formed.
 10. Add more Double Strength Chloroform Water BP to the primary emulsion until the emulsion is pourable.
 11. Transfer to an appropriate conical measure with rinsings.

Tips

Remember the accurate preparation of the primary emulsion is crucial for the full emulsion to be satisfactorily produced.

Primary emulsion	
Arachis Oil BP	60 ml
Double Strength Chloroform Water BP	30 ml
Acacia BP	15 g