b. As emulsions are particularly susceptible to microbial contamination, Double Strength Chloroform Water BP will be used as the vehicle at a concentration of 50%. Freshly boiled and cooled purified water will be used as the remainder of the vehicle. As freshly boiled and cooled purified water is used in the product, it will also be used to make the Double Strength Chloroform Water BP.
c. Double Strength Chloroform Water BP is included in this product as the preservative as per the product formula.
d. No extra flavouring is required. In addition to preservative action, Double Strength Chloroform Water BP will give some flavouring.

The following method would be used to prepare 100 ml of maize oil 30% v/v emulsion from the formula above:

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, 50 ml of Double Strength Chloroform Water BP is required. To prepare 50 ml Double Strength Chloroform Water BP, measure 2.5 ml of Concentrated Chloroform water BPC 1959 accurately using a 5 ml and a 1 ml syringe.
b. Add approximately 45 ml of freshly boiled and cooled purified water to a 50 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. Measure 30 ml of Maize Oil BP.
3. Transfer to a clean dry porcelain mortar.
4. Weigh 7.5 g Acacia BP on a Class II balance.
5. Transfer to the mortar and mix gently (approx 3 stirs) to wet the acacia in the oil.
6. Measure 50 ml Double Strength Chloroform Water BP.
7. Measure 15 ml of Double Strength Chloroform Water BP (from the 50 ml in step 6) in an appropriate measure and add to the mortar in one go.
8. Stir vigorously using the pestle in *one* direction until the primary emulsion is formed.
9. Add more Double Strength Chloroform Water BP little by little until the emulsion is pourable.
10. Transfer to an appropriate conical measure with rinsings.