

PHARMACEUTICS -1 (BP 103 T)

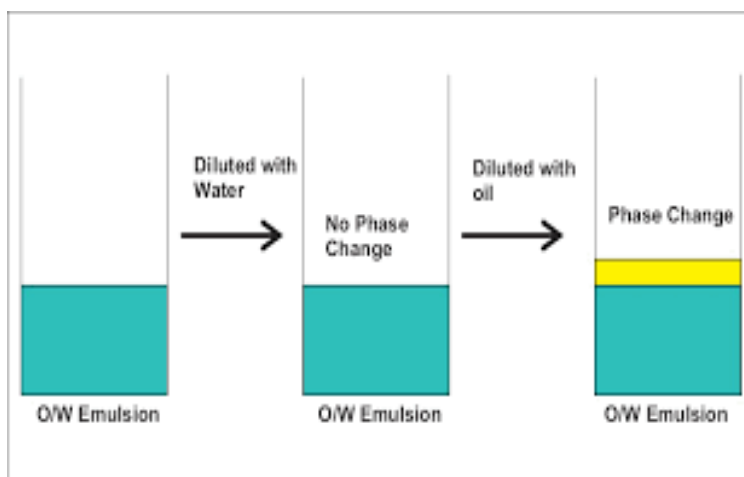
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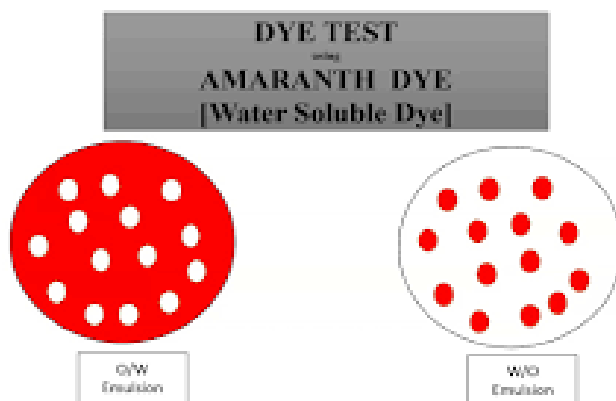
TOPIC:METHODS TO IDENTIFY THE TYPE OF EMULSIONS**Methods to Identify the Type of Emulsions**

We can find out the type of emulsion with the help of the following tests:

- **Dilution Test:** This test can be conducted by adding water or oil to the emulsion.
- If water is added, and it gets mixed with the emulsion, then the emulsion is of the oil-in-water (o/w) type.
- If water does not mix with the emulsion, then it is known as the water-in-oil (w/o) type.
- Apart from water, if oil is added to the emulsion, and it gets mixed, then it is called the water-in-oil type.



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- **Dye Solubility Test:** This test can be conducted by adding a water-soluble dye to the emulsion.
- If the emulsion becomes red, it means that it is the oil-in-water type and vice-versa.



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- **Conductivity Test:** In this test, some amount of electrolyte is added to the emulsion to measure its conductance.
- If it shows an increase in conductance, the emulsion is of the oil-in-water type.
- On the other hand, if there is no change in conductance, the emulsion is water-in-oil type.

