

PHARMACEUTICAL UNIT OPERATIONS-II LAB

List of Experiments

1. Measurement of flow of fluids and their pressure, determination of Reynold's number and calculation of frictional losses.
2. Evaluation of filter media, determination of rate of filtration and study of factors affecting filtration including filter aids.
3. Experiments to demonstrate applications of centrifugation.
4. Determination of Humidity-use of Dry Bulb and Wet Bulb thermometers and Psychometric charts.
5. Determination of rate of evaporation.
6. Experiments based on steam, extractive and azeotropic distillations.
7. Determination of rate of drying, free moisture content and bound moisture content.
8. Experiments to illustrate the influence of various parameters on the time of drying.
9. Experiments to illustrate principles of size reduction, laws governing energy and power requirements of a size reduction.
10. Experiments to illustrate solid-solid mixing.

ADDITIONAL EXPERIMENTS

11. Mixing process using different types of Agitator mixers in different formulations.
12. Mixing process using different types of Propeller mixers in different formulations.