

Course Code	Course Name	Credits
26CH152	GRAVIMETRIC ANALYSIS	02

Objective

The objective of this laboratory course is to impart the students with basic analytical skills with an emphasis on gravimetric analysis. It also emphasizes the importance of organized and systematic approach in carrying out experiments and to calculate the mass of an ion in a pure compound and then use it to calculate the mass percentage of the same ion in a specified volume of an impure compound.

1. Estimation of nickel (II) using Dimethylglyoxime (DMG).
2. Estimation of Lead as lead chromate.
3. Estimation of Barium as barium chromate.
4. Estimation of Lead as Lead sulphate.
5. Estimation of Barium as Barium sulphate.
6. Estimation of calcium as calcium carbonate.
7. Estimation of iron as Fe_2O_3 by precipitating iron as $\text{Fe}(\text{OH})_3$.
8. Estimation of Zinc as ZnO .
9. Estimation of Cr as Cr_2O_3 .
10. Estimation of Magnesium as magnesium oxinate.

Students are required to perform and record at least eight experiments in the laboratory manual as part of the course requirements.