

2. Phenobarbitone

Aim: To perform assay of Phenobarbitone.

References:

- 1) Indian Pharmacopoeia vol-III page no.2900

Requirements:

- 1) **Chemicals:** Acetone, 0.1 M Perchloric acid, Methyl orange etc.
- 2) **Apparatus:** Beaker, Pipette, Burette, measuring cylinder, conical flask etc.

Procedure:

Dissolve 0.1g in 5 ml of pyridine, add 0.25 ml of thymolphthalein solution and 10 ml of silver nitrate-pyridine reagent and titrate with 0.1 M ethanolic sodium hydroxide until a pure blue colour is obtained. Repeat the operation without the substance under examination. The difference between the titration represents the amount of sodium hydroxide required.

1 ml of .0.1 M ethanolic sodium hydroxide is equivalent to 0.01161 g of Phenobarbitone

Principle\Theory:

Result: The % purity of phenobarbitone was found to be-----

Conclusion: