

## **6. Methodology**

### **By Titration:**

Weigh and powder 20 tablets. Add a quantity of the powder containing 1 g of Lithium carbonate to 100ml of water, add 50ml of 1M hydrochloric acid VS and boil for 1 minute to remove the carbon dioxide. Cool and titrate the excess of acid with 1M sodium hydroxide VS using methyl orange solution as indicator. Each ml of 1M hydrochloric acid VS is equivalent to 36.95mg of Lithium Carbonate.

**Acceptance Criteria:** 95.0% - 105.0%