

Abstract

In this experiment, we will prepare a standard solution of 5M, 250 ml NaCl. We will take molecular weight of NaCl as 58.44 g. This number will be written in the bottle and labeled as MW or FW.

The following steps that are involved will be described,

1. Concept map with the following concept sections are described
 - a. Calculation of weight of NaCl needed
 - b. Weighing the NaCl
 - c. Concepts in dissolving salt for preparation of standard solution
 - d. Make up the solution in a beaker or conical flask
 - e. Concepts on glass rod and quantitative transfer
 - f. Common mistakes