

29/2012 EXPERIMENT NUMBER: 12

PREPARATION OF STANDARD SOLUTION OF OXALIC ACID

→ AIM:

To prepare a standard solution of $\frac{M}{40}$ oxalic acid.

$$M = \frac{0.025M}{40}$$

→ APPARATUS REQUIRED:

Watch glass, beaker, standard flask, funnel, glass rod.

→ CHEMICALS REQUIRED:

Oxalic acid, distilled water.

→ CALCULATION OF WEIGHT OF THE SALT:

$$WT = M \times M_r \times V$$

$$WT = (90 + 36) \times \frac{1}{40} \times 250. \quad (H_2C_2O_4 \cdot 2H_2O)$$

$$WT = \frac{126}{4} \times 25.$$

$$WT = \underline{\underline{0.7875g}}$$

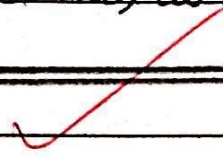
→ PROCEDURE:

1. Dissolve the oxalic acid in minimum quantity of water in a beaker.
2. Transfer the solution to a standard flask from the beaker using funnel and glass rod. make the solution to 250ml in the standard flask.

→ RESULT:

M oxalic acid solution (250 ml) is prepared.

40



~~Q2~~
20/10/14