

STANDARDIZATION

1. Preparation of Standard Solution

Accurately weigh a certain amount of the primary standard substance and dissolve it in a known volume of distilled water in a volumetric flask. The solution is then diluted to the mark with distilled water.

2. Standardization of the Analytical Reagent Solution

Accurately weigh a certain amount of the primary standard substance and dissolve it in a known volume of distilled water in a volumetric flask. The solution is then diluted to the mark with distilled water.

RESULTS

Sample	Weight (g)	Volume (ml)	Concentration (M)
1	0.1012	25.00	0.008096
2	0.1012	25.00	0.008096
3	0.1012	25.00	0.008096

Mean Concentration = 0.008096 M

DISCUSSION



Conclusion: The standardization process is crucial for accurate titration results.