

PREPARATION & STANDARDIZATION OF 0.1 N NAOH SOLUTION

Assist. Lec. Marwa Hashim



OBJECTIVE

- - Prepare 0.1N NaOH solution
- - Standardize it using standard HCl



PREPARATION PROCEDURE

- - Weigh 4g of NaOH pellets
- - Dissolve in distilled water
- - Transfer to a 1L volumetric flask and fill to the mark

STANDARDIZATION METHOD

- 1. Pipette 10mL of standard HCl into a conical flask
- 2. Add 1-2 drops of phenolphthalein indicator
- 3. Fill burette with prepared NaOH
- 4. Titrate until a faint pink color appears



FINAL CALCULATION

- Use formula: $N_1 \times V_1 = N_2 \times V_2$