Exp.1. Standardization of Sodium Hydroxide (NaOH) Solution with Standard oxalic Acid (CeHeOq. 2H2O) Solution.

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Method & Acid based ditration

Experimental Data:

Strength of exalic acid solution

= $\frac{\text{Weight taken (in gm) x0.1}}{0.63}$ (N)

= $\frac{0.63 \times 0.1}{0.63}$ N.

= 0.1 N

Gable: Standardization of supplied NacH solution against standard oxalic acid solution by acid-base titration

No of	Vol. of Noot (in not)	Vol. of Oxalic acid (burethe needing) (in ml)			Menn (in ml)
neading		Thitial	Final	Difference	
	20	0.00	8.50	8.50	8.50+
		8.50	17.10	8.60	8.60+
2	10	17.10	25.60	8.50	1 3
3	20				=8.533

@ Calculations:

The strength of supplied NaOH Solution:

VNaOH × Novalie acid × Noxalie acid

$$N_{Nach} = \frac{8.53 \times 0.1}{10} = 0.0853N$$

Results: The strength of Supplied NaoH solution is 0.09 (N).