		Conductance (2-1)
· S.no.	valoure of NAOH ordded (ml)	Conductance
Control of the Contro		5-6
01	0.5	5.0
03	1.0	4.3
1	1.5	3.5
04		2.9
02	2.5	2.4
06		2.2
- 67	3.0	204
0.0	3.5	2.5
09		2.7
10	4.5	2.0
11	5.0	3.0
12	5.5	3.2
13	6.0	3.6
14	6.5	4.0
15	7.0	405
16	4.2	4.9
17	0.0	5.4
10	0.5	5.0
19	9.0	6.3
20	10.0	6.7
21		701
22	10.5	7.5
23	11.0	0 : 0
24	11.5	9.4
25	12.0	0.0
26	12.5	902
27	13.0	906
20	13.5	
29	34.9	10.0
30	14·5	10.7
31	12.0	30.1

Arin: Do estimate the strength of minture of acetice acid and hydrochloric acid by conductority frinciple! of and mobility of non present when a minture of strong acid (HCI) and weak acid (CH3 COOM) is britated against a strong war (NAOH), not reacted first followed by CHSCOOM, when titradian of strong acid and strong base is carried out, there is a decrease in conductivity as highly mobile NAOH + HILL - NACH + HED when the whole strong acid is communed, base reacts neith weak acid and conductivity increases as unionized weak and becomes conized sout, After both the acids are commed, there is a step increased in conductivity which gives end point and moving ou view from NaOH Solution

By the amount of based consumed, amount of acid present in calculated. Procedure . The solution is diluted to room! Is my of which is pipetted out into a clean beaker and soomly of distilled water is added. Conductivity cell & dipped into the test solution and fitrated against North with alisming conductance is measured for each

addition of 0.5 ml NaOH. After neutralization, amount of aid present is determined by amount of NaOH Consumption for strong acid and weak acid wolune of banks consumed for strong acid and weak acid are determined by plotting a graph between conductance and volume of base added. First end point Corresponds to strong and while the other is for weak acid Calculation Strength of HCL volume of mine = 20 ml Normality of MCI - P = NI Vol. of North = 2.7 ml = VI normality of NaOH = 0.5N Strength of HCl = VIXOS = 0.0675N. Strength of CHSCOOH. volume of miretur = 20ml normality of CH3 COOH = ? -= N1 Volume of NaOH = 3,3 ml = U2- VI normality of NOON = 0.3 N Strength of CH3(00H = 0.5 x (v2-vi) = 0.5 x 3.3 = 0.0852 N. Result . The strength of HCL present in given soln = 0.0673ND The strength of CH3COOH present in given soln = 0.0025D

