DOMS Page No. Experiment No. 2. Name: Strongth of HC1. CONDUCTOMETRIE TITRATIONS- DETERMINA 7201 OF STRENGTH OF ISCI To determine the strength of the given sol of 14C1 by conductometric titration with a sol of Ma OH. Apparatus Required: Conductivity meter, conductivity cell, fan rod, burette, standard flask. Reagents Requised: Hel, NaOH, Water PRINCIPLE 6-It is based on the measurement of change of conductions with the help of conductivity meter. The conductance of rol" depends on the no. of ions and molailely. During oud bare literation the base is added to strong and 1st ion are replaced by Nation. Conductance of rol decreases after neutralisation point further add of encen alkali introduces fast morning ON soin & conductor increases. The point of interaction of the straight live gives the end point of volume aire-

Table 1. Standard Naor us Unknown Her

Sp. No.	Vol of Mask added	Conductance in almost		
1	0.0			
2	1.0	1.1		
3	2.0	3.0		
u	3.0	2.7		
5	4.0	2.4		
6	5.0	2.1		
7	6.0	1.82		
8	7.0	1.67		
9	3.0	1.41		
to	4.0	1.05		
11	10.0	1.02		
12	11.0	1.14		
13	120			
14	13.0	1.46		
15	14.0	1.63		
16	15.0	1.79		
17.	160	1.94		

SOMS Page No. Experiment No. 2 Name: Tibrution PROCEDURE -Make up the given HCI sol" to 100me in a standard flask. Pippette out 10 ml of 120 unto Delute the robution with deluted water so that conductively call can be unmerred well in the Note down conductance of rolution. Fill with standard NaOH rol" and run down wito beaker in small increments with gentle stiering of contents After each addition the contents of beaker & after an equilibruin of 2-3 minutes note corresponding conductance walne and tabulate till attent 10 increments. After conductions reasher a minimum & starts increasing. After completion of titration, work be conductions all Plant a graff believer conductivity and volume of NaOH added. The interrules of 2 lines to it volume aris gives the end point Molume of Naon required of neutralization is taken from the graph. In order anural results. Add NaOH in small invergents near and beyond the end from Culculate strength of given strong and guier Maols Teacher's Signature:

Table-2.

## Standard Nuol Us Unleasum Her CFair Titration!

Sh.M.	Valume al	NON allet	1 1	Contain son of
Mr. Lal.	000000	AUT MOREO	(mn)	Conductome e su ohm
103 10		8.0		1.112
100			10,44 Q	136
3		8.2		1.35
		8.4	- 2	simple 1.30 mil
4	a went many	8.6	101 1	1:26
5	- MANA LAL	8.8	2703	1.22
6		9.0		1.25
7	130.00	9.2	364	May 01.11 Remained
8		9.4		1.05
9		9.6		0.99
to	remain in	9.8	16	0.91
11		10.0	2 12	100
12	have said	10.2	2	
13	1.26	10.4	1	1.04
14		10.6		1.06
\$5		10.8	-	1.00
16		4.0	1222	1.13
17	A be	11.2	2,75316	ANGUN MUNK
18	10000	STATE STATE	. 13	1.18
19.	Ally Bulletin	11.4		1.16
10		11.6.		1.19

