EXP8: Determination of strength of a weak acid (CH3 COOH) against a strong alkali (NaOH) solution by measuring conductance

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Theory:

Method involved: Conductometric titration

Reactions:

a) eltacoon -> ettacoo + H+

b) NaOH - Nat +OH

C) CH3COOH+NaOH>CH3COONa+H2O

Here, my serial number 10

Experimental Data.

NaOH solutions using conductivity meter

	NO. 05	Va. of	101.05 N	Vol. Of NaOY (brinette reading) (in ml) Conductors					
	reading	(in mb)	Initial	Final	D'Herene		(Ms), y		
	1	10	0	٥	100gr	0	102		
	2_	10	0	2	2	2	96		
	3	10 [	2	4	520	4	117.		
	4	10	91	6	2	6	144		
	5	30	A160	8	2	8	166		
	6	30	8	10	2	30	188		
	7	10.	10	1.11	1. 1. T.	Kecff	212		
	.8	10	11	12	1	12_	260		
	9	30	12,0	13	1	13	321,		
	10	10	13	19	1	19	389		
+	11	10	14	15	1	15	466		
	12	10	15	16	1	16	<b>5</b> 50		
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and the second	Calcula					compays!					
in s	The strength of supplied CH3COOH solution;										
						HOONNX 1					
	- Y	10 ml		)	10	, 0, 7, 14					
202			2	0	of.	7					
3.6	7,	2611	4	10 X O.	1 00	5,					
111	· [:	3) NGH	3004	10	OL.	P					
PHI				= 0.1N	Q.I	2					
101	2	2	75,-	7 7	OL	9					
221	Results: The strength of supplied CH3COOH										
Jas	5		0.0		01.	.6					
321	13	Solution	15	6.1 N	0.9	10					
P22	M	4	P.P.	5,(		OL.					
466	es L	1.	\$1	PT	. 01	[]					
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