-	Experiment No. 1. Name Titsation	Date Page No.
	Determination of Na, co3 and Na & Mixture By Titrubon	019 13
1	Aim- To determine the amount of No.	
+	Principle	
-	When a known volume of min and 1 a OH is titrated with HCI Pherrol put halar indicator at do po ON ions & only half of the reacted with HCI accept	iture of Na. co,
	ON ion & only half of the reacted with 1401 and	Coz 2-are
1	when the tetration is continued we indicator the remaining half of will be neutralized with 1500 or	
_1	will be neutralized with 1201 a	I the end
	B= half of carbonate ions ofter then	of carbonate win
	28 = all corbonate ion	
	A-B? all hydronide com	A LAW I.
-	Teach	er's Signature:

## Titsahon - J

St No.	( Cont)	Buseble Budmy 1	Peading 2.	Volume of
1	20mL	0	20.1	20.)
2	20 mL	0	19.5	19.5
13	20mL	0	19.50	19.5

- Concordant Value: 19.5ml Indicator used: Methyl Orange

CALCULATION-TO DAY SALES IN HOST AND

Molume of Del = 19.5 ml Normalue, of Nar CO3 - 0.05 (Nr) Molume of Nar CO3 = 20 ml

normality of per = 0.05×20 = 0.0512 (N.).

Procedure - 1.1. a Titration I: standardisation of HCI. Pipette out 20 mil of Na. CO, robution into a clean comial flask and add 2-3 the drops of melhyl orange indicator to the roln. Then titrate the rolution against Hel aude taken in a burette. Repeat detration till concordant value is obtained. ii) Tit sation I: restimation of Na, co, and Na Ox Delyto the given unknown solution to 100 ml in a standard flack wing diluted water. Pippelt our low of this made up robution into a clean convince flack Add 213 drops of phenolikhtalin undicator to the rolution & titiale against ratandardirectives. Record the burette leading ar an end pour of the titration when dissappearance of pink colour is deserved. Let consider the burette reading at the ent point be A ml to the same role, ado & 3 drops of methyl orange inducator and continue to libiale till color changer note down burette readings as meltyl orange

president e	1 miles to	and markets		-11	
That	m. II				
PRODUCTION PROCESSION	So No Val of Initial Busette Rendings.				
	unkawn sol	Rendry Vol	nolph that ein	web .	ewied for
	M. MAL		d point (A)		
		The state of the s	Vol Rey	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	Vol Rey
1 11/1	20 m L	0 2	8 / 28	38.5	10.5
121	20 mc	0 / 2	8   28	74.5	deore
Cornerdan	of Walun	Ø 2	gune land	B 10.54	agout 1
	dimentaline	Lington	realisa in	10.34	
CALCULA		1	1 11	The state of	
Molin	on of	2B2	of Varios.	2/201	17 10
Wolume of Mel: 2B, 2x10.5; 2/ml					
Mormality of 141: 0.0512					
Mormality of Narco, = 21 x0.0512, 0+053.					
& Amount	al No. C	0. 100.00	20	of here	
toulist "	2	V <sub>2</sub> x53	nt in whole or 28	050	n rolular
	the second	all was	MILLION CHOK	140	1 20 1
bs bi mato	n of an	rount of	Na 04 -Bz 17,5 n	white o	Wolfe
Med =	of set to	7 7 1	-Bz 17.5n	-6	Super
normal t	cal No of	1 (N.) 2	(A-DINN.	malety of	144: 0.08n
Jest 184	0, 00	0.0	10	2 0.04	48 May
nount of	NaOP 1	vurend	2 N2 X 40	( Ca a	L of New
			10		grown
			2 10.1792		

	Experiment NoName :	Date   Page No.
	end point. Consider it to be B'm tetration till concordant value for B' is oblained.	1. Pepeas
	nount of Na, Co, present in given rolution 20,280 g	
	Amount of NaOH present in quier solution = 0.1792 g	
-	Teacher's	Signature: