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	Aim :-		
	To prepare and standardization of 0.1 N Sodium Carbonate.	of	
	Reference !-		
	Requirement:		
(0)	Classica Destruction of the O	//	
(a)	Glassware: - Beaker, Measuring cylinder, Burette, Conical flask, Stirring rod, funnel etc.		
	conica y task , strading stout, gailing	<u> </u>	
(b)	Chemicals: Na, co3 (sodium carbonate),		
	HCI (Hydrochloric acid),		
	Methyl red.		
(c)	Apparatus: - Analytical weight Machine Burette Stand		
	Burette Stand		
	Spatulla		
	Theory:		
	Theory:		
	Hydrochloric acid solution may be titrated against sodium carbonate solution using methyl orange indicator. When weak base is titrated with a strong		
	sodium carbonate solution using methyl or	range	
	indicator. When weak base is titrated with	h a strong	
	acid solution is slightly acidic at end po	pint: If a	

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Observations

S.No.	Initial reading	Final reading	Volume consumed
1.	0	13.8	13.8
2.	13.8	28.6	14.8
3.	28.6	43.0	14.4

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	is sli hydr	acid is titrated with a strong base to htly basic because the salt formed will plysed to a certain extent.	he solution be
	300	hemical neactions involved in this titration	
	NazCC	3 (ag) + 2HCJ (ag) -> 2 Na(1 (ag) + (02(g) +	H20 (1)
	(032-(aq) + 2H+ (aq) -> (02(g) + H20)	(u)
	the of b	acid base titration at the end point the acid becomes chemically equivalent to ase present. In case of a strong acid ng base titration at the end point a solution becomes neutral.	the amount and a
	Proc	edure:-	
<i>></i>	Weigh	0.26 gm of Na2CO3 with the help of	weighing scale.
)	Then thes	take 50 ml of distilled water in beak add 0.26 gm of Naz Coz.	es and to
		the contents well by using a stirrer	
→	Now in 5	, for standard solution, take 4.45 m	u of HCl
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Put the 50 ml	of dil. HCI solution in burette.
> Take 10 ml of Naz	cog in a conical flask and add 2-3 red.
drops of methyl	red.
+ Tit rate the Nag(03 solution with HCI and calculate
The JIESUIT.	
Result:	
Preparation and s	tandardization of 0.1 N of sodium med successfully in laboratory.
Carbonate perfor	med successfully in laboratory.
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