				Date		
Exp	t. No	0.5		Page No		
	Aim:	<b>→</b>				
	To determine the acid value of HCl.					
	Reference:					
	Do Minigar P.B Dr. Tain VR Al handing					
	Do Minigar P.B. Dr. Jain, K.B. Appractical Book of Pharmacentical Organic. Chemistry. "Nivali Publication"					
			1000			
		ement:-		The northead		
	CNO	Chemicals	61/5	A ! ! 3" !	21	
	3.770.	Chemicais	(Xtymi)	Apparatus	@ty	
	1.	Fixed oil (eg. A (astor oil)	10.9	Iodine blask (250ml)	01	
	2.	Potassium hydroxide	2,9	Reflux condensor	01	
	3.	Cone. HCl	3.9	Buretke (som!)	01	
	4.	Methyl red (as indicator)	0.5	Beaker (250ml)	01	
	5.	Sodium Carbonate	0.59	Pipelle (10ml) graduated	01	
	6.	Phenolphthalein Sol	2 ml			
	Teacher's Signature					

	Date
Expt. No65	Page No
Theory:-	
- In way -	
Acid is a substance that is sown is	n taste. It
some litmus to gred. It's	PH is less
It is a notecule or iron	capable
of either donating a proton, known a	s a Bronsted
why all , or capable of forming	a covalent
She high an electron known as len	Dis acid.
The first category of acids are the	e Proton
solution release H+ ions.	2) Agrees V
Ex HCl, Sulphuric acid.	
Hydrochloric acid: - (HCR) -> It is also	known as
murialic acid is an agreeous solution	of hydrogen
solution with a distinctive pungent sme	ell. Their
classified as a strong acid, HCI is	
laboratory reagent and industrial ch	emical
hydrochloric acid has many uses.	It is used
in the production of chloride fer	
dyes in electroplating and in the tentile and rubber industries. It.	in spraphic.
to eyes, skin and mucous membra	ne.
MCI is commonly known use	d for the
nentralization of alkaline agents as a	bleeding
agent in bood, textile, metal and or	ubber industries.

Teacher's Signature \_

	Date				
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	Procedure:				
<u>(i)</u>	Weigh about 10 g of the substance being examined in an iodine black.				
	un an rodine blask.				
01)	Prepare so me minture of equal volume of ethanol				
	(95%) and ether and 0.5 ml phenolphthalein solf				
	and litrate lit against 0.1 N agueous potassium				
	hydronide (KOH) sol + to neutralise it.				
(iii)	Dissolve weighed quantity of the substance in				
	above neutralised sol if the sample does not				
	dissolve in the cold solvent, connect the flash with				
	condenser and warm slowly with frequent shaking				
	until the sample dissolve.				
(iv)	Add I ml of phenolph thalein solution and titrate				
	with 0.1 N agreeous potassium hydroxide (KOH)				
	with 0.1 N aguerous potassium hydroxide (KOH) solution until the solution remains faintly fink after shaking for 30 seconds.				
	after making for 30 seconos.				
(V)	Calculate the acid valve from the following equation.				
	Acid value = 5.61 x n				
	where n = the no. of ml of D.IN potassium hydroxide 1013				
	W = Weight of the substance in gm.				
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