			Date	
xpt. No	05		Page No	
Aio	: >			
	determine the acid va		HC.	
Ref	rence:			
			Al I li l	,
Boot	Minigar P.B. Dr. Jain of Pharmacentical Organ	ic . Che	mistry, "Nivali Pub	l'icalia
Reg	irement:			
8.1	10. Chemicals	Q ty/mi)	Apparatus	aty
1	Fixed oil (eg. A (astoroil)	10.9	Iodine blask (250ml)	01
2.	Potassium hydroxide	2.9	Reflux condensor	01
3.	Conc. HCI	3.9	Buretke (som)	01
	Methyl red (as indicator)	0.5	Beaker (250ml)	01
4.				
4.	Sodium Casbonate	0.59	Pipelle (10ml) graduated	0 1

Teacher's Signature _____

_		Date
Exp	t. No	Page No
	Theory:-	
	Acid is a substance that is sown in	taste. It
	setmus to ged It's	H in land
	is a molecule DX 1000	(Ababla
	the worlding a hooton kindling	1 0-0 1-1
	· O capable of borning	imialent
	section known as senior	arid
	The first category of acids are the donor or bronsted lowing acids, Its	Trolon
	solution release H+ ions.	agueous
	Ex - HCl, Sulphuric acid.	
	Hydrochloric acid: - (HCA) -> It is also	known as
	murialic acid is an agreeous solution	of hisd rogen
	imorale (chemical formula - HCI). It is	a colourless
	solution with a distinctive pungent smel	1. It is
	classified as a strong and, HCI is	an impostant
	hadrochloric acid has many the	nical
	in the production of chloride feart	is used
	dyes in electroplaking and in the Ph	otroppelia
	tentile and rubber industries. It is	corrorine
	to eyes, skin and mucous membrane	
	Mel is commonly known used	for the
	nentralization of alkaline agents as a	bleeding
	agent in bood, tentile, metal and one	bber industries.

Teacher's Signature _

Date
Expt. No Page No 16
Procedure:
(i) Weigh about 10 g of the substance being examined in an iodine black.
(ii) Prepare so ml minture of equal volume of ethanol
(954) and ether and 0.5 ml phenolphthalein solt
hydronide (KOH) sol? to neutralise it.
to newvalue it.
(iii) Dissolve weighed quartily of the substance in above neutralised sol if the somple does not
above neutralised sol if the somple does not
dissolve in the cold solvent, connect the flash with
condenser and warm slowly with frequent shaking
until the sample dissolve.
(i) Add I ml of phenolphthalein solution and titrate
with 0.1 N aguerous botassium hydroxide (KOH)
solution until the solution remains faintly pink
solution until the solution remains faintly fink after shaking for 30 seconds.
(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 hydroxides
W = weight of the substance in gm.
Teacher's Signature