Experiment- 3

Experiment - so delivere the copper content of a white of white of copper one solution which we codenderally.

Apparalis - Pipette, busette, beurses, wired place,

chamicals- happer surplot (he so.) sodium bicarborde, (No HCo.) acetic acid (143100H) Postssein iodicle (K3) sturch solution and sodium trusulplate (NU 25,03)

Changeal Structure-

Manifold Equations - 2 Mu 504+4KI - 2 Mu 12 + 2 Ky 504

2 Mu 2) Mu 2 12 4 + I,

2 Mu 2 5, 0 3 + I 2 - 2 Mu 2 5, 0 6 + 2 Mu?

pt. No	Page No
	The state of the s
Experiment- 10	determine the repper wentent of a girls of solver wing 0.1 solver wing 1.1 solver wing 1.1 solvers
this sulphote	iodonetrially
	the, purette, beaker, would flisk, furrel
birce	perale (My M 603) golil sodium berale (My M 603) aretic acid (My 600M) id (KI), Stutch solution and Sodium
potassium jodi triobulphoti	id (KI), Statch bolling and south
Theory - Esti-	don the fact that copper can
11 titational	liberate gover propor por
i volide fol	intion in in fine titrused regiment of
yiven sto	ndow Sodium thiosupports Solution
Chemical Expertis	on- 2 M50, + 4KI H+ 2 MI, +2K,50,
	2 My, 503 + J2 -> 2 My, 5, 04 + 2 My I
	appliance of new travel du to
Encl point is the	on ly I As Ky I in Seluble in
Decip Wid	of lug I. As lug Iz is delible in 5 low insoluble in week organic
Miller th	e It hongly will nection is relitable

Teacher's Signature Ayush.

Indicator - Statut Goldier.

End point -> Store (pale yellow to deep blue)

Godin troubplate (see blue to permoner weste)

observations - Uplane of ropple of bouted when

S No.	Burette	Deading (ml)	Value of OliV Nu,503 Sal Inl
	0	9:5	9.5
2	0	9.5	d.5
3	0	9.5	9.5

near golume of Marson word (V2) = 4.5 ml

Calculations - Volume of copper on solution used face ever tithatien (V,) = 10m

> Mormylitz of sodium theregulature sod" = 0.1N Set solume of Norz 5, 0, used = V2 ml = 4.5 ml whis robusty en

N, V, = N2 V2

basic carbonite is formed which are dissolved with Photoglure - 1. Pipette out 10 ml of 11 coppere are sol" Add small amount of Some Solid Kall Cog to the one sol' on small was til was there is no effect appearence. The sol' there pilky ut this sloy! Add while outs and theophies, just supprient to remove the milipiness. So the wear blue scalutor and 5 ml of 101. KS soil dolor of boll wages to durk brong due to the formation of KS, Add about 35 ml of distilled weeter to silve the centents of the flash. Noit por atleast 3 min.
Six have the Solr ogainst standard sodium thresupphute Solr till the webs the pall / light gellen. sol apout 2 ml og 17% preshly prepard stuck Sol? 6 continue the titestien with note sodium thoughter bold till the color changes from as blue the permanent white. Teacher's Signature Ayuh.

10 m of N, repper on boln = U, m of 01 N Na 25,03 soch N. (Mormality of woppe rate) = 0:1xv Equivuer weight of reppler = 63.50g Amount de capper in the given dhe = N, x 63.5 ym/L = 0.095 x 63 · 5 = 6.0325 ym1L

Result- The amount of lopped phills in copper one solution is 6.0325 gm/L

on the table Spely. It shouldn't twen blue again De til hoppers, odd a flul more drops of Nu 5202 sel" to get permanent velite volce again. Repeat the experiment to get ut bust five rowers very brevelings till attends the consonant headings were obtained Crenoral calculation - Volume of woper one Sal" used for lach titention (V,) = 10 ml Set volume of N2 5,03 well = V, ml Applying normality eg = propose org N, V, = N, V, 1 Mussy 10 ml of N, reppel on bol = V2 ml of 0.1 Massez N = 0.1xV2 Amount of upper in given one = N, x 63.5 gm/L Result - In amount of the cappit phillest in copper Teacher's Signature _____

Perentions - 1. The weite welch at the end point should be permanent. the rapper on but should be pentralized before til hation. The contents of the tillation plank should be distitled to observe better though of wolde ut the end point. Aptel nixing the initial sel' west bug attents Corneral precuring of reclumative to thations should Daily life Applications - As both excess and lones levels of supper can have odieves effect, by grees of supper is body lon laws "Wilson Disease". Ayust. Teacher's Signature ____