Experiment No. 5 Name: Gstimation of Chloride  Date  Date
To Contract
ESTIMATION OF AMOUNT OF CHLORIDE IN
A WATER SIMPLE.
Molume of Majnet - 11: 9 mi
Visnoville of May, My ores
AIM.
To estimate the amount of chloride 12
a water sample
and the second of the second o
PRINCIPLES 1
The reaction believen chloride and while
The reaction between chloride and plice
intrate is direct and simple. It proceedias
ByNO, + NaCI -> AgCI + NaIVO,
The completion of the resultor in their
care is colorerned by employing Wo GO; sol
as an induction. At the engl point, the yellow colour changes into reddish brown due to the repetio
As yellow colour changer into reddish
brown due to the repetio
during the deligned hearing
2 By NO, + Kr Cy O4 -> Ay, COO4 + 2 MNO,
since calculation is to
Vico, indicator will not be precilities
ar An Gor untill all the chlorites in
as By Gor untill all the chloritis in the rolution have been precipitated as
By Cl.
Teacher's Signature:

DOMS Page No. PROCEDURG-Tibsulion 1: Standardization of AgNO, Sol7 come of standard Nacl robution (M20) is pripetted out wito a clean constal flash. I'm L of 2% 1/2 CyO; indicator is added it the sol" lurn yellow in colour. I tetraled against A/VO, rol" taken in a burette. During each addition of Asko, in content in the symilal black is shaken, well the end point yellow changes anto reddish brown (which does not disapears after shaking). The titration is repeated till the concordand waln Tiboutron 11: Estimation of chilosole The given chloride robution is delived to 100 ml using distilled water in a standard flash. Exactly would of this solution is popetted out into a clean comical blash. To the solution add war of induator. It is litrated against standard AgNO, solution from the burette . The applition of Agro; is contisseed until it brown colour. The titralio in repeales. Teacher's Signature:

Experiment No Name :	Date Page No.
till the cornordant malue in oblas	ing.
From the volume of AgNO, your	uned, the
From the rolume of AgNO, your	th
amount es calculates.	ulle of list
and the state of t	odded de
July de Desarie State and Comment of the	
broatle . Turney end addition cop	1400 19
content in the smith black to	1 Stakes
mill I st the end point of la	w changes
RESULT- relation have the Burkey And have	och mot free
of the giran solution is 0.0625	she whole
of the given solution is 0.0625	100 m
18-18 COULTER THE COURT OF THE	
The house to the taken of the tister	
The suice of Courte rolling in but	White to
to one using filestilled wither do	2 standard
Alice Besidly 10 ml ref this was	1 200 00
photol out and the contract	
1 1 Mar Nobertion of Line Land Charles	hard days

## OBSGRVAZJon.

## Table of Standardi zutrion of Ag NOZ

5.1%.	Vol of Nail Sol" (ml)		Readone	Concordant Value (ne	Inducto
			11	A STATE	
1	10	0	12.7	1 De Och	2%
2	10	0	12.9	12.9.	KelyOn.
1. 1	169.11	5 2 10.		a stille	(ImL)
3	10		12.9		

Mornalely of Alexander relation 12 12 12 12

## Table . 2. Gsbi mation of Chlorise

S.No.	Vol of Chlora	Busetle Readon,		Concordand	Indicales
	Sol" (mL)	Ini bed	Piner	Value	
Malca	1000	0	11.2	The state of	
9	awlati Cop			1/2 1/2	150/2
_	walend	0	11.4	11,4	nelson
3	10	0	11.4	20625 3 736	

Estranda of Christa GLWLATTON Tibration 1. Mormality of Mall not " 0.02 N. Nolume of Nacl rd 2 come CV, 1 Nolume of A, NO, rol = 12:9 mc Normality of 13/10, 2 NIVI , 0.2×10 11 should be twooms off 2/00-10 155 h 7. bution-11 Normality of chloride rolution? 10 ms. Nolume af 13 NO, volutire = 11.4 V2 Normalite et 13 NO, vol ", 0.0155 N. Nes Neve , 0.0176 M brown due 1 Amount of chloride present in N\_X 3646 gives calculation 100 m 1 2 0.0625 g / 100 m 1 the relation have been presidelated as