Date	
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Aim!	
Determination of vitamin c in the given sample tablet.	
Reference:	
Requirement:	
· Apparatus: - Burette, Burette stand, measuring cylinder, funnel, beaker, glass rod Comical flask, dropper, weighing machine, spatula, mortar and pertte, volumetric flask.	,
· Chemicals: - · Potassium Iodide., · Iodine. · Arsenic trioxide · Sodium hydroxide · Sodium bicarbonate · HCI · Soluble starch · Methyl orange (indicator) · H2 SOA	
· Ascorbic acid (vitamin c).	
Teacher's Signature	

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Theory:	
Vilania C	
Vitamin C is a water soluble vita	min found in
also solid sold as a dietary su	tables, and
It is I used to prevent and to	reat surve.
Vitamin C is an exential nutrient	involved
in the repair of tissue, the	formation
of collagen, and the enzymatic	production
of certain neusot vansmitters.	
Φ	
Procedure:	
i) Reagent Preparation	
The state of the s	
i) 0.05 M iodine solution	
Weight 18 g of potassium iodide is of beaker and weight 7 gm	ndo 100 ml
of beaker and weight 7 gm	of Jodine
into some beaker then add a	few ml of
distilled water and stir for a	Jen minutes
until it dissolve sodine.	
Translan indine solution to a	1 litre
Transfer iodine solution to a volumetric flask. Make a soluti	on upto
500 ml with distilled water.	

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11) Preparation of starch indicator (o.	5-1.)
Weigh 0.25 gm of soluble starch 50 ml of boiling water in a 100 n flask. Stir to dissolve them and before using.	and add nl of conical cooled
iii) Standardization of 0.5 M lodine	solution.
Weigh accurately about 0.15 gm to ioxide (previously dried at 10 and dissolve in 20 ml of 1 ml soo solution and dilute with 40 ml Add 2 drops of methyl orange	lium hydroxide of water. Solution.
Dilute with HCI solution until a colour change into pink colour.	the yellow
Add 2 gm of sodium bicarbonat	le.
Dilute with 50 ml of water.	
Add 3 ml of starch solution (inc	licator).
Slowly titrate with iodine solution permanent blue colour occur.	ntion until

Teacher's Signature _

		Do	ite
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10)	Dete	nmination of Ascorbic acid.	
	Weigh in n and	t accurately about 0.1 gm and nix ture of 100 ml of fresh cooled water. 50 ml of dilute sulphuric	d dissolve
		ediately titrate with 0.05 m	
	Defe	ermination of vitamin c was somed in laboratory.	ccessfully
	•	Teacher's Signature	