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	<u>Aim :-</u>	
	Determination of Potassium iddide.	
	Reference:-	
	Selected experiment of Pharmaceutical analysis-I by A Siddique. Page no-91.	
	Requisement:	
1)	Chemicals :> 0.05 m KIO3 & Solution, HCI. Chloroform.	
2,	Glassware: Conical flask, Beaker, Measuring cylinder, burette, spatula and weigh balance.	
	Theory:	
	Potassium iodide occurs as colourless as White crystals as a white crystalline powder. It is very soluble in water, soluble in ethanal and practically insoluble in diethyl ether. It is slightly deliquescent in moist air.	
	Teacher's Signature	

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	Experimental Overview		
	Potassium indide contains not less than 99%.  W/N of calculated with reference to the dried substance potassium vodide oxidizes quantitatively indides in to indine.  5 KI + KIO3 + 6HC1 -> KC1 + 5IC1 + 3H20.		
	The liberated jodine reacts with excess of todine in jodate in presence of strong HCI to Indine mono chloride.		
	2 I <sub>2</sub> + KIO <sub>3</sub> + 6HCJ -> KCI + SICJ + 3H <sub>2</sub> O.  Procedure:		
1.	Weigh accurately about 0.5g of potassium rodide dissolve in 10 ml of water and add 25 ml HCl and 5 ml of chloroform.		
2.	Titrate it with 0.05 M Potassium iodate until purple colour disappear from the chloroform layer		
	The percentage (1.) purity of KI		
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