

## M11 Check-In Activity 1

Name of Test	Test Solution	Reagents	Observations
<b>CHROMIC ACID</b>	n - butyl alcohol	H <sub>2</sub> CrO <sub>4</sub>	1.The solution turned green
	sec. butyl alcohol	H <sub>2</sub> CrO <sub>4</sub>	2.The solution turned green
	tert. butyl alcohol	H <sub>2</sub> CrO <sub>4</sub>	3.The solution remained color orange
<b>LUCAS TEST</b>	n - butyl alcohol	Zn in HCl	4.No reaction (after 15 mins)
	sec. butyl alcohol	Zn in HCl	5. After 5 minutes, the solution became cloudy
	tert. butyl alcohol	Zn in HCl	6.It became a cloudy solution immediately.
<b>ESTERIFICATION</b>	Ethanol	Acetic acid ( CH <sub>3</sub> -COOH )	7.It has sweet fruity smell
<b>IODOFORM</b>	Ethyl alcohol	I <sub>2</sub> & NaOH	8. Fine yellow precipitate and anti- septic smell
	Propan- 1-ol	I <sub>2</sub> & NaOH	9. No reaction.
	Propan -2-ol	I <sub>2</sub> & NaOH	10.Pale yellow precipitate and anti- septic
<b>ACROLEIN</b>	Glycerol	KHSO <sub>4</sub>	11.Pale yellow precipi
<b>FERMENTATION</b>	Glucose	Zymase from yeast	12. substance formed