

EXPERIMENT NUMBER: 6.

TEST FOR ALCOHOLIC GROUPS.

EXPERIMENT	OBSERVATION	INFERENCE.
1. <u>CERIC AMMONIUM NITRATE TEST:</u> To the organic compound (aqueous solution), add 1ml of Ceric Ammonium nitrate solution.	Red colouration.	Alcoholic group is present.
2. <u>SODIUM METAL TEST:</u> To 2ml of the organic compound in a clean dry test tube, add a small piece of sodium metal.	Bubbles of hydrogen gas.	Alcoholic group is present.
3. <u>ESTER FORMATION TEST:</u> To 1ml of the organic compound in a clean dry test tube, add 1ml of glacial acetic acid and 2 drops of conc. H_2SO_4 . Warm the mixture in a water bath for 10-15 minutes. Cool and pour the contents to an aqueous solution of Na_2CO_3 in a beaker. Smell it.	Pleasant fruity smell due to presence of an ester.	Alcoholic group is present.

→ RESULT:

The given organic compound contains alcoholic group.

~~Q2~~
~~22/10/19~~