

EXPERIMENT NUMBER: 8

TEST FOR ALDEHYDIC GROUP.

EXPERIMENT	OBSERVATION	INFERENCE.
1. 2,4-DNP TEST: To a little of the organic compound, add 1ml of 2,4-DNP reagent and shake well.	Red, yellow or orange ppt formed.	carbonyl group is present.
2. TOLLENS TEST: To a few ml of the organic compound, add 1-2 ml of Tollen's Reagent. Shake well and heat it in a water bath for 2-3 minutes.	Silver mirror or grey precipitate formed.	aldehydic group is present.
3. FEHLING'S TEST: Mix equal volumes of Fehling's solution A and B and add a few ml of organic compound into it. Shake well and keep the test tube in a boiling water bath for 2 minutes.	Red precipitate of Cu_2O formed.	aldehydic group is present.

→ RESULT: Given organic compound contains aldehydic group.