

QUALITATIVE TEST {CARBONYL GROUP}

[DEPTH OF BIOLOGY]

1. SOD. BISULPHATE TEST-

Aldehyde + Ketone $\xrightarrow{\text{Sod. bis. solution}}$ crystalline compound

Character of aldehyde and ketone

2. SCHIFF'S TEST-

[DEPTH OF BIOLOGY]

Add few drops of aldehyde in schiff's reagent under cold condition pink colour will be obtained

***this test is not given by ketone**

DEPTH OF BIOLOGY

3. RESIN TEST-

Heating aldehyde (except HCHO) with alkali solution forms a brown resinous mass

***This test is not given by ketone**

4. TOLLEN REAGENT TEST-

[DEPTH OF BIOLOGY]

Heat aldehyde with silver ammonium nitrate solution.

A shining silver mirror like film is deposited on walls of test tube

[DEPTH OF BIOLOGY]

***not given by ketone**

5. FEHLINGS TEST-

Adding a few drops of aldehyde or its solution to fehling's solution and heating for sometime forms cuprous oxide which change colour to red/ brown

[DEPTH OF BIOLOGY]

***not given by ketone**