

Exercise - To identify the given organic compound sample.

Experiment	Observation	Inference
1. Tollen's Reagent Test. Org. Sample + few drops of NaOH & 2-3 ml of AgNO ₃ sol ⁿ and heat.	A silver mirror deposition on the wall of test tube.	Aldehyde group is present.
2. Fehling's Solution Test Organic sample + Fehling sol ⁿ A and B. Stir the contents.	Formation of red precipitate.	Aldehyde group is present & Confirmed.
3. Benedict Solution Test Organic sample + few drops of Benedict solution.	Red ppt is formed.	Aldehyde is Confirmed.

Result -

The given organic sample is aldehyde.