

Exercise - To identify the given organic sample.

	Experiment	Observation	Inference
10	Sodium Nitroprusside Test - Organic sample + 2-3 drops of NaOH + 2 ml of sodium nitroprusside.	Appearance of red colour.	Ketone group is present.
20	Iodoform Test - Organic sample + I ₂ + 1 ml of NaOH.	Yellow ppt.	Ketone group is confirmed.

Result - The given organic sample contains ketone group.