

Exercise — To identify the functional group in given organic sample.

	Experiment	Observation	Inference
1 _o	Litmus Test Take 1 ml of organic sample and add blue litmus sol ⁿ to it.	Blue litmus changes to red.	Phenol group may be present.
2 _o	Ferric Chloride Test Sample + few drops of FeCl ₃ sol ⁿ .	Appearance of reddish.	Phenolic group present.
3 _o	Bromine Water Test Sample + few drops of bromine water	Appearance of white ppt.	Phenolic group present.

Result -

The given group is phenolic group.