

You are provided with substance J which is an organic compound. Carry out the following tests to identify substance J.

Test	Observation	Deduction
a) Burn a small amount of J on a dry spatula end or dry porcelain.		
b) To 1cm ³ of J, add an equal volume of sodium hydroxide solution.		
c) Shake 2cm ³ of J with about 2cm ³ of water. Test the resultant solution with litmus paper. Divide the resultant solution into three parts.		

i) To the first part, add 2-3 drops of neutral iron(III) chloride solution and heat.		
ii) To the second part, add a little sodium carbonate powder.		
iii) To the third part, add 1cm ³ of acidified potassium dichromate solution and heat.		
d) To 1cm ³ of J, add ammoniacal silver nitrate solution and warm; then allow the mixture to stand.		

e) State the identity of J.

.....