

Activity-3 Ch-2

Test of protein

* Copper Sulphate Solution:- It can be prepared by dissolving 2 gram (g) Copper Sulphate in 100ml. of water.

* Caustic Soda Solution:- 10gm of Caustic Soda dissolved in 100ml. of water makes the required solution of Caustic Soda.

* Diluted Nitric acid:-

* Process:- Take small quantity of food sample in a test tube. If it is solid, make a paste of it or powder it. Add some water with it and shake it well.

Experiment

i) Inside a clean glass tube take the food sample (bean dust) and add a few drops of water to it using a dropper, add two drops of copper sulphate soln and few drops of caustic soda soln.

ii) Take some boiled dal in a test tube and add dilute nitric acid and heat it.

Observation

Colour changes into purple or violet.

Colour changes into yellow.

Result.

This shows the presence of protein.

This shows presence of less protein.