Testing of common adulterants in milk

1- Urea:-

5 ml milk in a test tube + 5 ml dimethyl amino benzaldehyde solution, shaken well ⟶ Yellow colour develops. It shows the presence of added urea.

2- Soda

10 ml milk in a test tube + 10 ml alcohol & shaken well + few drops of Rosalic acid ⟶ Red rose colour shows in the presence of soda.

3- Formalin:-

5ml milk in a test tube + few dros of phloroglucinol solution and mix properly + few drops of sodium hydroxide solution ⟶ flashy pink colour, shows the presence of formalin.

4- Hydrogen peroxide:-

10 ml milk in a test tube + 10-20 drops vanadium pentaoxide solution ⟶ Developments of pink/red colour indicates the presence of hydrogen peroxide.

5- Detergent:-

5 ml milk + few drops of bromocresol purple solution ⟶ appearance of faint violet colour indicates the presence of detergent in milk.

6-Starch:-

5 ml milk in test tube, boil than cool and added 1 to 2 drops of iodine solution ⟶ appearance of blue colour which indicates the presence of starch.