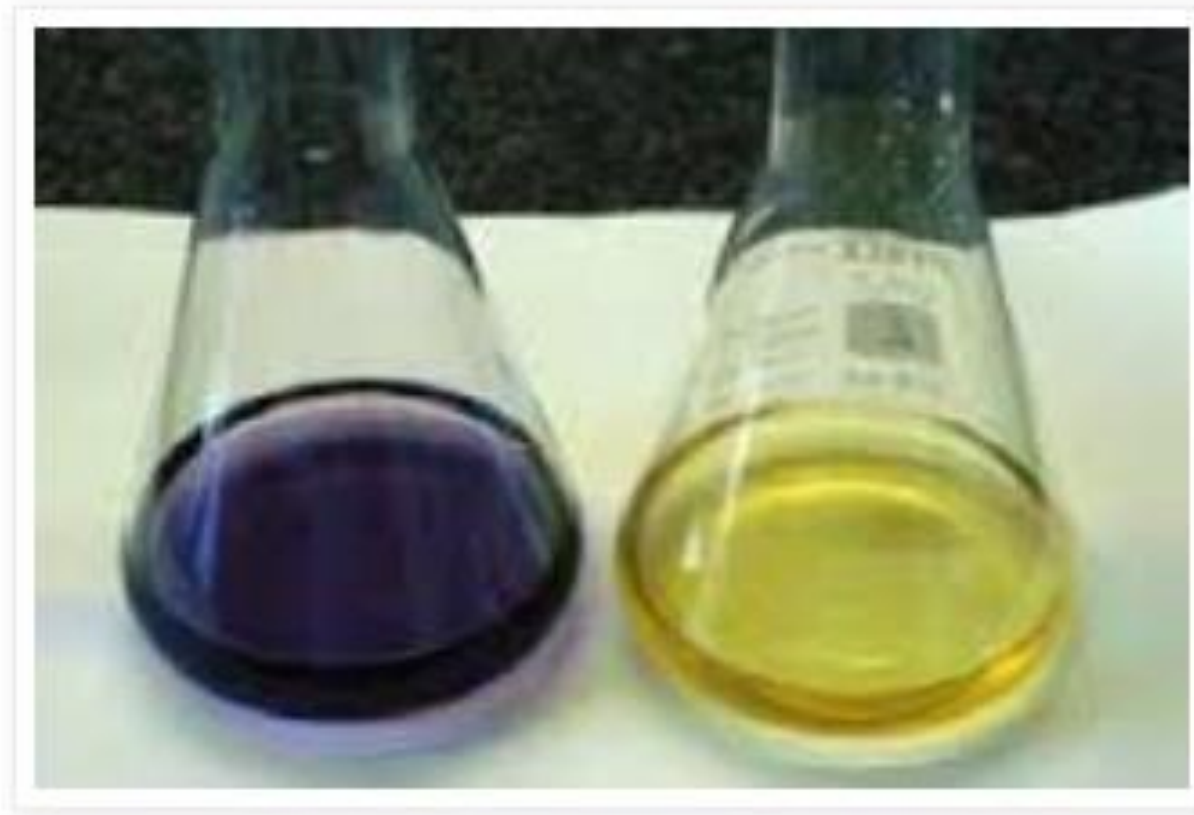


Experiment 8: DETERMINATION OF VITAMIN C IN A TABLET



The **end point** of this titration occurs when the addition of one extra drop of sodium thiosulphate causes the deep blue colour to disappear and become colorless.



After solution reaches a pale yellow colour, a few drops of a freshly prepared starch solution are added. The solution becomes blue-black forming Starch-iodine complex and the titration is continued until it goes colorless.

The iodine solution, which is a golden-brown colour, can be titrated against sodium thiosulfate solution. The sodium thiosulfate solution is placed in the burette and, as it is added to the conical flask, it reacts with the iodine and the colour of the solution fades and reaches a pale yellow colour.