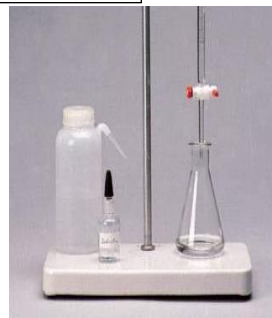


Standardization of NaOH

Acid Base Titration



Chloride ion Titration

Mohr method



Spectrophotometer

Transmittance to zero when the sample compartment is empty and no light reaches the detector.



Setting Absorbance to zero with a blank in the sample holder.



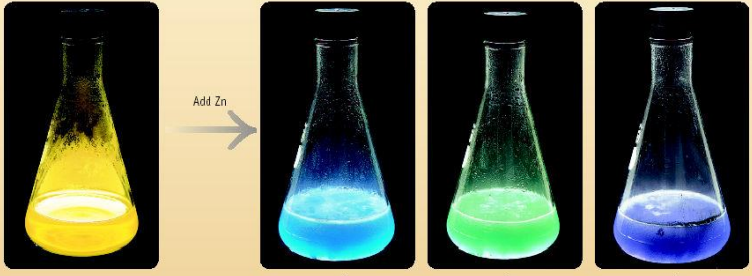
Oxidation of Vanadium using Zn powder

The yellow color of the VO_2^+ ion in acid solution.

Zn added. With time the yellow VO_2^+ ion is reduced to blue VO^{2+} ion.

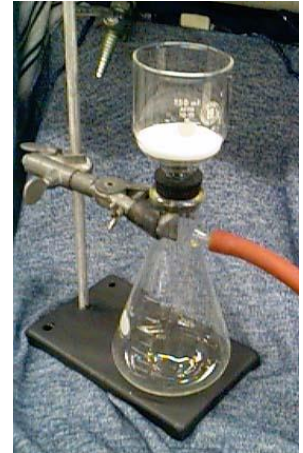
With time the blue VO^{2+} ion is further reduced to green V^{3+} ion.

Finally, green V^{3+} ion is reduced to violet V^{2+} ion.



VO_2^+ VO^{2+} V^{3+} V^{2+}

Suctioning Filtration by vacuum



A pH meter with a glass Electrode

