



Experiment 2 Qualitative Analysis a Mixture of Group I

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Analysis mean the separation and identification of a substance in a mixture. Analysis could be either <u>Qualitative</u> or <u>Quantitative</u>:



Quantitative

mean the determination of the actual amount of the substance in a measured volume of unknown sample, it's units are g/ml, mmol/L or I.U/L.

Qualitative

is ueed to detect wether a particular substance is present in an unknown sample or not. There are many analytical methods used to separate a substance from a mixture, the simplest one is based on the solubility behavior of that substance in different solution. So that by adding a precipitation agent and filtration you can separate a particular substance and by knowing it's reaction behavior with a other agent you identify it.

The aim of this experiment is to learn a systematic procedure to separate ions and then to identify them

