In this lab the use of a base (sodium hydroxide) and an acid (hydrochloric acid) will be used in back titration to determine the amount of acid in an antacid. In this experiment an antacid will be dissolved in HCl and titrated with NaOH with a few drops of phenolphthalein. The amount of acid will be determined by the amount of NaOH used to reach the endpoint of the solution, containing the antacid and HCl. Using dimensional dialysis and the proper conversions, the approximate percentage is determined.