

**Analytical Chemistry Laboratory report  
Second Year**

**The name of experiment**

**Degree**  
( /10 )

**Student Name:**

**Group**  
( )

**The name of partners :**

**Materials and tools used in the experiment**

**The reaction equation**

**The practical part**

- 1) The purpose of adding hydrochloric acid to the ion exchange column.
  - 2) The purpose of reactivation ion exchange column.
  - 3) What is the activation method of ion exchange column?
  - 4) What type of resins in both cationic and anionic ion exchange columns?
  - 5) We cannot use litmus paper to examine the solution downward when the activation process. Why?
  - 6) Use of silver nitrate when calibrating the base (sodium hydroxide) Using cation exchanger.
  - 7) Why use indicator such as the Methyl orange in ion exchange column before and after the activation process?
  - 8) How to Calculate the normality of a sodium hydroxide solution in the experiment?
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