كلية : التربية للعلوم الصرفة

القسم او الفرع : علوم الحياة

المرحلة: الاولى

أستاذ المادة : د.أسراء عبد الكريم معروف العاني

اسم المادة باللغة العربية : كيمياء تحليلية

اسم المادة باللغة الإنكليزية : Analytical Chemistry

اسم المحاضرة العاشرة باللغة العربية : ترشيح الراسب

اسم المحاضرة العاشرة باللغة الإنكليزية : *Filterability of Precipitates*

Filterability and Purity of Precipitates

Both the ease of filtration and the ease of purification are influenced by the particle of the solid phase. The relationship between particle size and ease of filtration is straightforward, coarse precipitates being readily retained by porous media which permit rapid filtration. Finely divided precipitates require dense filters, low filtration rates result. The effect of particle size upon purity of a precipitate is more complex. More often than not, a decrease in soluble contaminants is found to accompany an increase in particle size.

- In considering the purity of precipitates we shall use the term coprecipitation, which

describes those processes by which normally soluble components of a solution are carried down during the formation of a precipitate. The student should clearly understand that contamination of a precipitate by a second substance whose solubility product has been exceeded does not constitute coprecipitation.