

**University of Al-Anbar**

**College of Pharmacy**

**Department of Pharmaceutical Chemistry**

Title of the course: *Practical Analytical Chemistry*

Level: 1<sup>st</sup> Class, 1<sup>st</sup> Semester

Credit hours: **Laboratory 1 credit 2 hours/week**

Tutors:

Reference text: *Handbook for Analytical Chemistry lab Adopted by the Department*

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**Objectives:**

<b>No</b>	<b>Lab title</b>	<b>hours</b>
1.	Demonstration of some laboratory equipments.	2
2.	Separation and identification of group 1 cations (individual test).	2
3.	Analysis of group 1 cations mixture.	2
4.	Preparation and standardization of an acid.	2
5.	Determination of the percentage of acetic acid.	2
6.	Analysis of sodium carbonate and sodium hydroxide mixture.	2
7.	Determination of chloride by the Mohr method.	2
8.	Determination of chloride by the Volhard method.	2
9.	Preparation and standardization of 0.1N KMnO <sub>4</sub> .	2
10.	Determination of ferrous form of iron in Mohr's salt.	2
11.	Determination of total hardness in tap water.	2
12.	Gravimetric determination of Nickel.	2