

University of Al-Anbar

College of Pharmacy

Department of Pharmaceutical Chemistry

Title of the course: ***Practical Organic Pharmaceutical Chemistry I***

Level: 3rd Class, 2nd Semester

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

Tutors:

Reference text: ***Lab Handbook for Practical Pharmaceutical Chemistry Adopted by the Department***

Objectives:

No	Lab title	hours
1.	Preparation and standardization of 0.1N KMnO ₄ (known sample).	2
2.	Preparation and standardization of 0.1N KMnO ₄ (quiz and unknown).	2
3.	Assay of hydrogen peroxide solution (known sample).	2
4.	Assay of hydrogen peroxide solution (quiz and unknown sample).	2
5.	Assay of ferrous sulfate (known sample).	2
6.	Assay of ferrous sulfate (unknown sample).	2
7.	Preparation and standardization of 0.1Na ₂ S ₂ O ₄ solution (known sample).	2
8.	Preparation and standardization of 0.1Na ₂ S ₂ O ₄ solution (quiz and unknown sample).	2
9.	Assay of copper sulfate (known sample).	2
10.	Assay of copper sulfate (unknown sample).	2
11.	Assay of Chlorinated Lime (known sample).	2
12.	Assay of Chlorinated Lime (quiz and unknown).	2
13.	Preparation and assay of Lugol's Solution (known sample).	2
14.	Preparation and assay of Lugol's Solution (quiz and unknown).	2
15.	Assay of Alum (unknown sample).	2