

Pharmaceutical Analytical Chemistry II

First level pharm D

القائمون بالتدريس و الممتحنون و المصححون :

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Research topics

- 1- Ethylenediaminetetraacetic acid (*EDTA*) and its role in quantitative analytical chemistry
- 2- Different Application of *EDTA* in the quantitative analytical chemistry
- 3- Direct and indirect *EDTA* titration and their roles in the complexometric titration
- 4- Application of complexometric reaction in the quantitative analysis of pharmaceutical drugs.
- 5- Masking and de masking and its role in the complexometric analysis
- 6- Metal quantitative analysis using different analytical approaches
- 7- Drug analysis using either complexometric or redox titration based analysis
- 8- Utility of complexometric reactions in the quantitative analysis of drugs.
- 9- Acid base indicators and its application in pharmaceutical analysis
- 10- Different Application of acid base titration in the quantitative analytical chemistry
- 11- Direct and indirect acid base titration and their roles in the complexometric titration
- 12- Application of complexometric reaction in the quantitative analysis of pharmaceutical drugs.
- 13- Utility of acid base reaction for quantitative analysis of acidic drugs.
- 14- Utility of acid base reaction for quantitative analysis of basic drugs.
- 15- Color indicator theories discussion

- 16- Chemical analysis area classification and examples
- 17- Masking and demasking and its role in the complexometric analysis
- 18- Metal quantitative analysis using different analytical approaches
- 19- Drug analysis using either complexometric or acid base titration based analysis
- 20- Non aqueous titration importance and applications
- 21- Utility of complexometric reactions in the quantitative analysis of drugs.
- 22- Utility of oxidation reduction reaction for quantitative analysis of pharmaceutical compounds.
- 23- Vitamins quantitative analysis using redox reaction.
- 24- Drug quantitative analysis based on the oxidation reduction behavior.
- 25- Different Application of Redox titration in the quantitative analytical chemistry.
- 26- Masking and de masking and its role in the complexometric analysis.
- 27- Metal quantitative analysis using different analytical approaches
- 28- Electro chemical analysis of drugs using potentiometric methods
- 29- Ion selective electrode and its role in pharmaceutical analysis.