جامعة الملك سعود
King Saud University
College of Pharmacy
Pharmaceutical Chemistry Department

LAB.

PHC 427

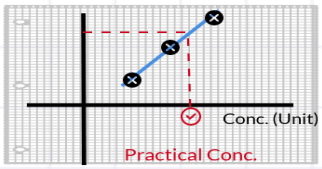
Practical Revision

2018/1439

Charts

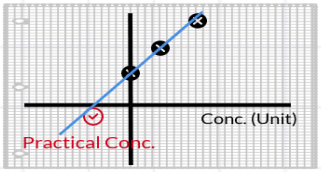
Calibration curve (Linear)

- interpolation



- Spectrofluorometer, y= RFI
- Polarimeter, y= Angular of rotation
- HPLC, y= AUP

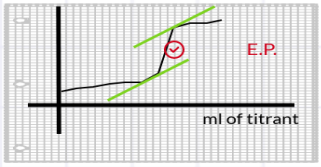
- extrapolation



- Polarography, y= Current (mcA)

Sigmoid curve

- Potentiometric Titration



- PH meter, y= PH

Calculations

Standard solution
Conc. Unit

Sample:
Tablet or syrup?

mcg/ml, mg/L, g%, etc.

convert it to required conc. unit

CxV=C'xV'

Theoretical conc.

Potentiometric Titration

Practical conc.:

g/tab , g%, g/L etc.

F=??

1000 or 100 (Unit?)

$$\text{Conc. (Unit)} = \frac{\text{E.P.} \times F \times f \times 1000}{\text{mls of sample or no. of tablets}}$$

Theoretical conc.

pKa

$$\%\text{Yield} = \frac{\text{Practical conc.}}{\text{Theoretical conc.}} \times 100$$

- Range: (95-105%)
- Comment

Potentiometric titration for determination of..... in .....tablet or syrup

Chart Title

Calibration curve for determination of..... in .....tablet or syrup using .....

Designed by: Hanan Alshibl
Halshibl@ksu.edu.sa

powered by Piktochart
make information beautiful