Exp 2: Colorimetric estimation of Ni2+ using conventional and smart phone digitalimaging methods

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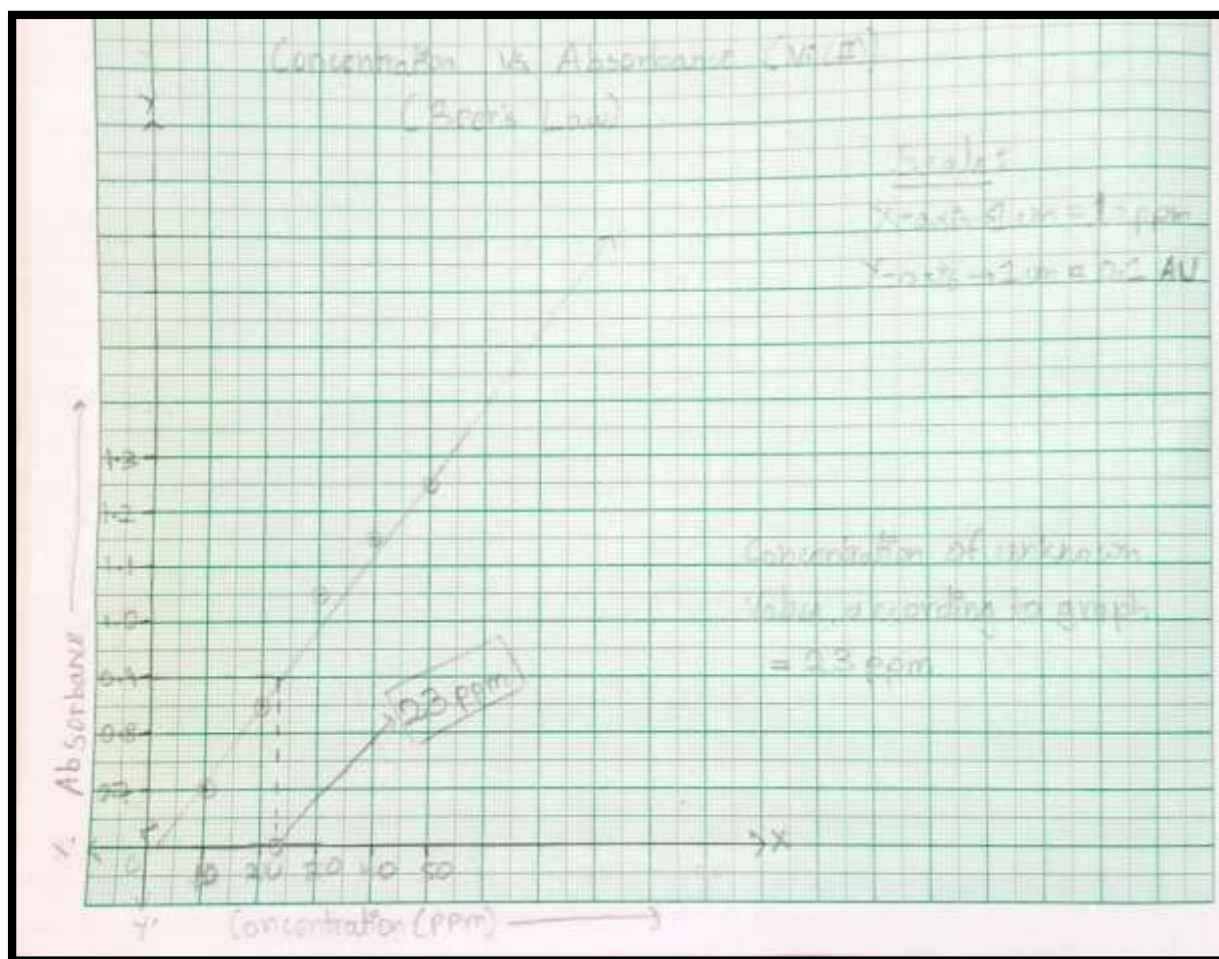
Slot: L11-L12

Date: 28/09/21

Observation Table:

S. No.	Concentration (ppm) (X-axis)	Absorbance (Y-axis)
1.	10	0.70
2.	20	0.85
3.	30	1.05
4.	40	1.15
5.	50	1.25
6.	Unknown = 23 (from graph)	0.90

Graph:

Result:

Concentration of nickel in the given sample, as estimated by

    (i)   Conventional method = **23 ppm (mg/L)**