Spectrophotometric Identification of (X) by Determination Of "$X_{\lambda max}$"

- Experiment's Aims:

Identify the Element (X) and Find [λ_{max}].

- Experiment's Steps:

1- Prepare 50ml of [15ppm] of element (X) from given [200ppm] solution using Tap water.

2- Prepare the Blank solution (tap water and (0.5ml) of [2M] H_2SO_4 in 50ml v.f.)

3- Move to the next Laboratory and follow instructions to find the λ_{max} value of (X) and identify (X)

- Results:

No	λ (nm)	Absorbance
Blank	800 ⟶ 400	0
Sample	800	A_1
	799	A_2
	798	A_3
	797	A_4
	⋮	A_i
	400	A_n

- Calibration Graph: