

# Spectrophotometric Determination Of “Mn<sub>λmax</sub>”

## - Experiment's Aims:

Finding [ $\lambda_{max}$ ] of an element. تركي الصالح الخليوي



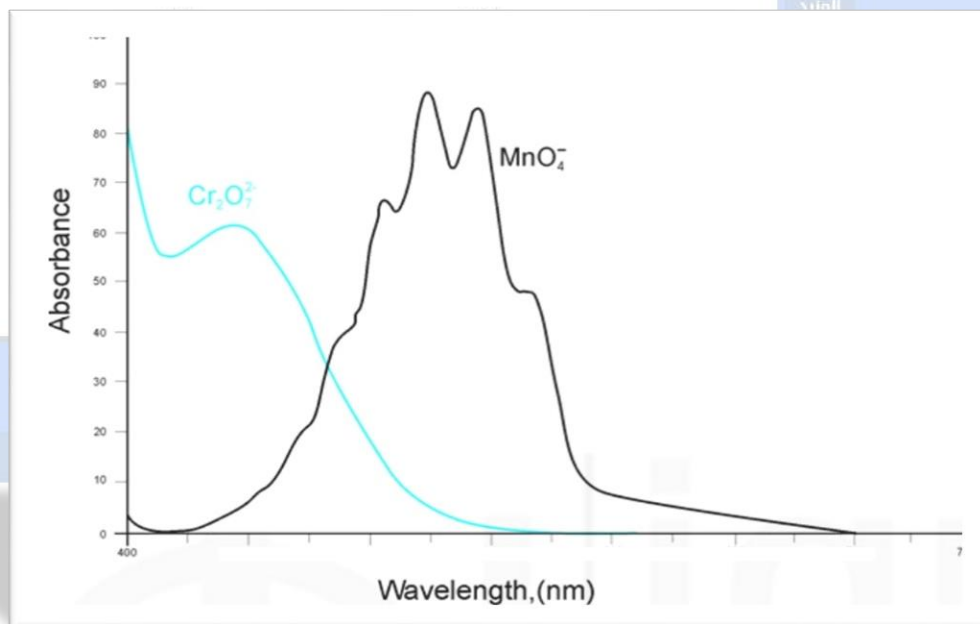
## - Experiment's Steps:

- 1- Prepare 50ml Of [15ppm] (Mn<sup>7+</sup>) from (KMnO<sub>4</sub>) using Tap water.
- 2- Prepare the Blank solution.
- 3- Move to the next Laboratory and follow instructions to find the  $\lambda_{max}$  value of (Mn).

## - Results:

No	$\lambda_{nm}$	Absorbance
Blank	800 → 400	0
Sample	800	A <sub>1</sub>
	799	A <sub>2</sub>
	798	A <sub>3</sub>
	797	A <sub>4</sub>
	⋮	A <sub>⋮</sub>
	400	A <sub>n</sub>

## - Calibration Graph:



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