

Name:  
Group: GM, DM

School year:  
Date of measurement:

## Report

### **Topic: Spectrophotometry**

**Exercise:** Evaluate the concentration of methylred in a solution.

**Instrumentation and material:** Spectrophotometer, solutions of methylred with different concentration and solutions of unknown concentration, ethanol, distilled water, pipette, beakers.

**Procedure:** according to the instructions.

### **Measured values and calculations:**

**Table I.** Methylred solutions standards

Sample No	Concentration of methylred solution, $\mu\text{mol.l}^{-1}$	Absorbance
1	0	
2	2	
3	4	
4	6	
5	8	
6	10	

Wavelength of the maximum absorbance  $\lambda_{\text{max}} =$  [nm]

**Table II.**

	Absorbance	Concentration of methylred, $\mu\text{mol.l}^{-1}$
1sample		
2sample		

Calibration curve  $A = f(c)$  (on the graph paper).

### **Conclusion and commentary:**