
Experiment 10: Dye Concentration Using UV-Vis Data Tables

Version 2

Name: _____ **Date:** _____

Lab Partner: _____ **Section:** _____

Part A and B: Preparing Solutions and Measuring UV-Vis Absorbances for the Calibration Curve

Concentration of Allura Red AC Stock Solution _____

Data Table 1. Preparation and Absorbance of Allura Red AC Standards.

Standard #	Volume of Stock Solution Used ()	Concentration of Standards ()	Absorbance
1			
2			
3			
4			
5			

Show your work for calculation of the concentration of standard 1:

Name: _____

Part C: Measuring the Absorbance for the Unknown Drink

Drink Analyzed: _____

Data Table 2. Preparation and Absorbance of Unknown Drink.

Preparation:	Absorbance
1.00 mL unknown drink diluted with DI water to 10.00 mL	

Show your work for calculation of the concentration of Allura Red AC in the Unknown Drink:
