

Experiment 3: Colourimetry - Online Tutorial

Tutorial Handout – Blue #1 Calibration Graph and Concentration Table
(does NOT need to be turned in)

Blue #1 Calibration Graph

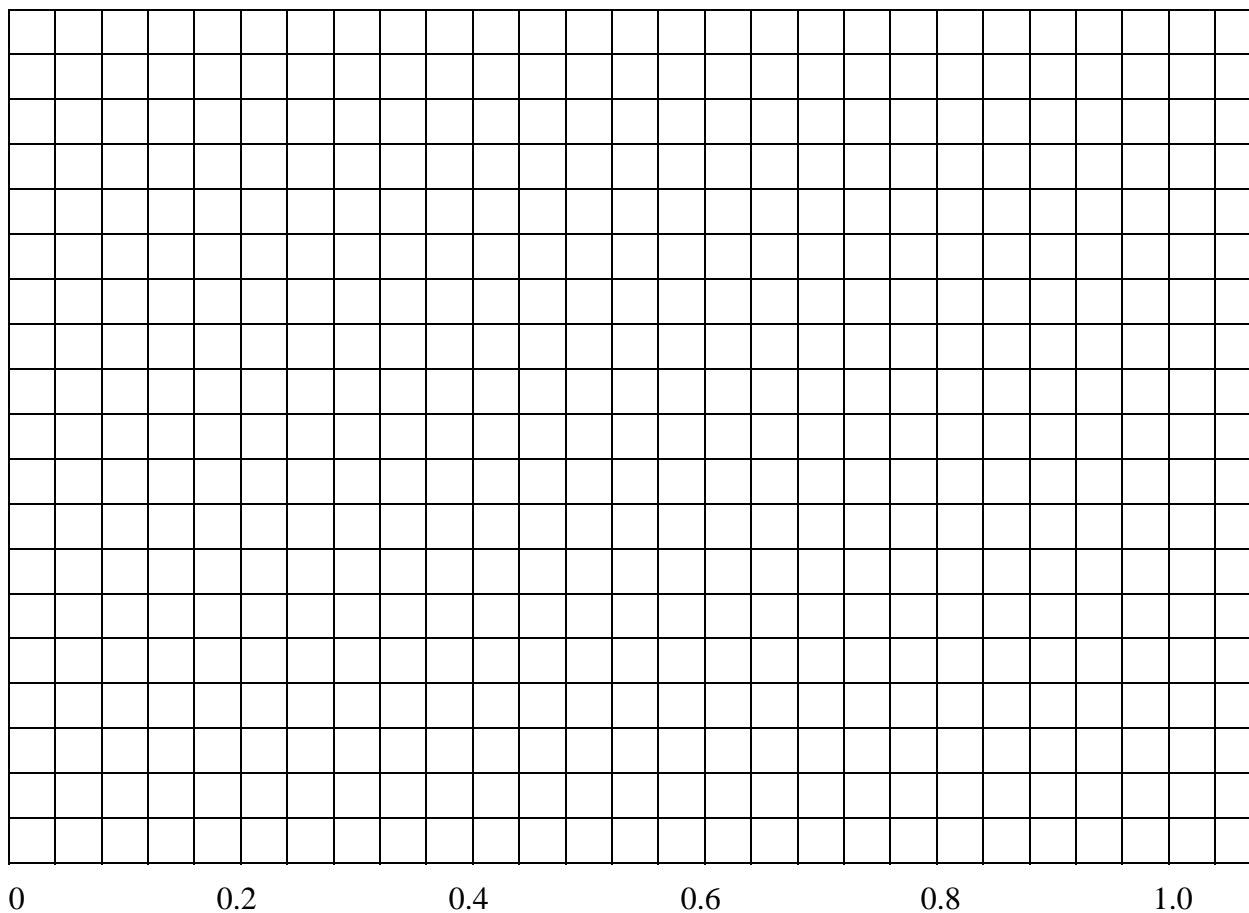


Table1: Concentration and Absorbance values for Blue #1

Sample	% Concentration	Vol. Dye	Vol. Water	Concentration (M) Dye (Blue #1)	Abs
Water Blank	0	0.0 mL	10 mL	0	
Standard 1	100%	10 mL	0.0 mL	4.0×10^{-6} M	
Standard 2	80%	8.0 mL			
Standard 3	60%	6.0 mL			
Standard 4	40%	4.0 mL			
Standard 5	20%	2.0 mL			
Unknown					