

RESULTS						WEIGHT
Accurately and concisely explains significance of data and results to the experimental purpose in introductory paragraph(s) appropriately placed in the section	A	B	C	D	F	/3
Appropriately represents data and results with correct construction and formatting (Figure 1: Absorbance spectrum of Allura Red, Figure 2: Allura Red calibration curve)	A	B	C	D	F	/6
Provides sample calculations with proper significant figures on attached lab notebook sheets	A	B	C	D	F	/6
Comments:						/15
DISCUSSION						WEIGHT
Contains two to three well-developed paragraphs	A	B	C	D	F	/1
Concisely discusses and accurately interprets all important trends and data comparisons (i.e. State final results: Allura Red concentration in prepared Kool-Aid, evaluation of experimental success – describe nature of calibration plot - is R ² of best-fit line close to 1 and is the y-intercept close to zero – in order to discuss the reliability of the determination of Allura Red)	A	B	C	D	F	/4
Discuss importance of quantitative methods, the type of information that these spectroscopic measurements provide, why measure the solution absorbance at the peak wavelength, and provide a comparison of ADI of Red Dye No. 40 vs Red Dye No. 2	A	B	C	D	F	/3
Includes critical evaluation of error that is concise and accurate. Evaluation of error effectively links experimental work and theories and/or principles that explain the work. (e.g explain how non-zero y-intercept affects your determination of Allura Red in Kool-Aid)	A	B	C	D	F	/2
Comments:						/10