

E2-A

	pH	Wavelength (nm)	Absorbance Before (Au)	Absorbance After (Au)	Percent Difference (%)	Mean Difference	Standard Deviation	Interval	Lower Bound	Upper Bound	Confidence Interval
0	1.0	330.0	0.43228	0.28144	-34.894051	-0.15084	0.000230	0.000286	-0.151126	-0.150554	-0.15084 Â± 0.00029
1	4.0	330.0	0.43228	0.31846	-26.330145	-0.11382	0.000311	0.000387	-0.114207	-0.113433	-0.11382 Â± 0.00039
2	7.0	330.0	0.43232	0.36526	-15.511654	-0.06706	0.000089	0.000111	-0.067171	-0.066949	-0.06706 Â± 0.00011
3	10.0	330.0	0.43228	0.38428	-11.103901	-0.04800	0.000354	0.000439	-0.048439	-0.047561	-0.048 Â± 0.00044
4	13.0	330.0	0.43228	0.41850	-3.187727	-0.01378	0.000432	0.000537	-0.014317	-0.013243	-0.01378 Â± 0.00054

E2-AA

	pH	Wavelength (nm)	Absorbance Before (Au)	Absorbance After (Au)	Percent Difference (%)	Mean Difference	Standard Deviation	Interval	Lower Bound	Upper Bound	Confidence Interval
0	1.0	330.0	0.05884	0.00534	-90.921394	-0.05350	0.000758	0.000942	-0.054442	-0.052558	-0.0535 $\hat{A}$ $\pm$ 0.00094
1	4.0	330.0	0.05884	0.00748	-87.285214	-0.05136	0.000699	0.000867	-0.052227	-0.050493	-0.05136 $\hat{A}$ $\pm$ 0.00087
2	7.0	330.0	0.05886	0.00936	-84.096797	-0.04950	0.000430	0.000534	-0.050034	-0.048966	-0.0495 $\hat{A}$ $\pm$ 0.00053
3	10.0	330.0	0.05884	0.02838	-51.764234	-0.03046	0.000586	0.000727	-0.031187	-0.029733	-0.03046 $\hat{A}$ $\pm$ 0.00073
4	13.0	330.0	0.05884	0.04760	-19.097048	-0.01124	0.000680	0.000845	-0.012085	-0.010395	-0.01124 $\hat{A}$ $\pm$ 0.00084

E2-CAM

	pH	Wavelength (nm)	Absorbance Before (Au)	Absorbance After (Au)	Percent Difference (%)	Mean Difference	Standard Deviation	Interval	Lower Bound	Upper Bound	Confidence Interval
0	1.0	330.0	0.05738	0.02146	-62.600412	-0.03592	0.000239	0.000296	-0.036216	-0.035624	-0.03592 Â± 0.0003
1	4.0	330.0	0.05738	0.02856	-50.226999	-0.02882	0.000192	0.000239	-0.029059	-0.028581	-0.02882 Â± 0.00024
2	7.0	330.0	0.05752	0.04248	-26.147878	-0.01504	0.000152	0.000188	-0.015228	-0.014852	-0.01504 Â± 0.00019
3	10.0	330.0	0.05738	0.04842	-15.614228	-0.00896	0.000313	0.000389	-0.009349	-0.008571	-0.00896 Â± 0.00039
4	13.0	330.0	0.05738	0.05566	-2.997153	-0.00172	0.000249	0.000309	-0.002029	-0.001411	-0.00172 Â± 0.00031

E2-EA

	pH	Wavelength (nm)	Absorbance Before (Au)	Absorbance After (Au)	Percent Difference (%)	Mean Difference	Standard Deviation	Interval	Lower Bound	Upper Bound	Confidence Interval
0	1.0	330.0	0.45928	0.25852	-43.711894	-0.20076	0.000270	0.000335	-0.201095	-0.200425	-0.20076 Â± 0.00034
1	4.0	330.0	0.45932	0.28438	-38.086734	-0.17494	0.000313	0.000389	-0.175329	-0.174551	-0.17494 Â± 0.00039
2	7.0	330.0	0.45922	0.32760	-28.661653	-0.13162	0.000370	0.00046	-0.13208	-0.13116	-0.13162 Â± 0.00046
3	10.0	330.0	0.45930	0.38344	-16.516433	-0.07586	0.000288	0.000358	-0.076218	-0.075502	-0.07586 Â± 0.00036
4	13.0	330.0	0.45920	0.42158	-8.192505	-0.03762	0.000327	0.000406	-0.038026	-0.037214	-0.03762 Â± 0.00041

E2-SA

	pH	Wavelength (nm)	Absorbance Before (Au)	Absorbance After (Au)	Percent Difference (%)	Mean Difference	Standard Deviation	Interval	Lower Bound	Upper Bound	Confidence Interval
0	1.0	330.0	0.16850	0.13246	-21.388611	-0.03604	0.000261	0.000324	-0.036364	-0.035716	-0.03604 Â± 0.00032
1	4.0	330.0	0.16850	0.14856	-11.833086	-0.01994	0.000754	0.000936	-0.020876	-0.019004	-0.01994 Â± 0.00094
2	7.0	330.0	0.16844	0.15350	-8.869338	-0.01494	0.000397	0.000494	-0.015434	-0.014446	-0.01494 Â± 0.00049
3	10.0	330.0	0.16834	0.16060	-4.597294	-0.00774	0.000607	0.000753	-0.008493	-0.006987	-0.00774 Â± 0.00075
4	13.0	330.0	0.16850	0.16558	-1.732635	-0.00292	0.000415	0.000515	-0.003435	-0.002405	-0.00292 Â± 0.00051