

Absorbance at Different Wavelengths by Dyes

Wavelength (nm)	Absorbance of 1X Red Solution (au)	Absorbance of 0.5X Red Solution (au)	Absorbance of Blue Solution (au)	Absorbance of Green Solution (au)
400	1.7	0.975	0.528	1
410	1.78	1.035	0.452	1.11
420	1.85	1.07	0.287	1.21
430	1.87	1.08	0.151	1.23
440	1.85	1.05	0.095	1.17
450	1.8	1.05	0.078	1.09
460	1.75	1	0.081	1
470	1.7	0.965	0.125	0.92
480	1.65	0.95	0.16	0.55
490	1.6	0.925	0.188	0.22
500	1.55	0.88	0.223	0.09
510	1.5	0.83	0.248	0.05
520	1.4	0.74	0.302	0.02
530	1.25	0.65	0.376	0.03
540	0.93	0.53	0.46	0.05
550	0.636	0.354	0.65	0.09
560	0.375	0.203	0.794	0.19
570	0.2	0.092	1.035	0.33
580	0.114	0.051	1.35	0.59
590	0.079	0.036	1.52	0.73
600	0.055	0.022	1.66	0.89
610	0.041	0.011	1.66	0.92
620	0.071	0.028	1.62	0.94

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