# E1-A

| | Temperature (ËšC) | Wavelength (nm) | Absorbance Before (Au) | Absorbance After (Au) | Percent Difference (%) | Mean Difference | Standard Deviation | Interval | Lower Bound | Upper Bound | Confidence Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 5.0 | 330.0 | 0.43230 | 0.29436 | -31.908390 | -0.13794 | 0.000344 | 0.000427 | -0.138367 | -0.137513 | -0.13794 Â± 0.00043 |
| **1** | 10.0 | 330.0 | 0.43232 | 0.30330 | -29.843601 | -0.12902 | 0.000370 | 0.000460 | -0.129480 | -0.128560 | -0.12902 Â± 0.00046 |
| **2** | 15.0 | 330.0 | 0.43234 | 0.33554 | -22.389774 | -0.09680 | 0.000406 | 0.000504 | -0.097304 | -0.096296 | -0.0968 Â± 0.0005 |
| **3** | 20.0 | 330.0 | 0.43236 | 0.35536 | -17.809217 | -0.07700 | 0.000430 | 0.000534 | -0.077534 | -0.076466 | -0.077 Â± 0.00053 |
| **4** | 25.0 | 330.0 | 0.43232 | 0.36526 | -15.511654 | -0.06706 | 0.000089 | 0.000111 | -0.067171 | -0.066949 | -0.06706 Â± 0.00011 |
| **5** | 30.0 | 330.0 | 0.43240 | 0.38736 | -10.416251 | -0.04504 | 0.000365 | 0.000453 | -0.045493 | -0.044587 | -0.04504 Â± 0.00045 |
| **6** | 35.0 | 330.0 | 0.43224 | 0.40052 | -7.338496 | -0.03172 | 0.000319 | 0.000397 | -0.032117 | -0.031323 | -0.03172 Â± 0.0004 |
| **7** | 40.0 | 330.0 | 0.43238 | 0.41336 | -4.398887 | -0.01902 | 0.000335 | 0.000416 | -0.019436 | -0.018604 | -0.01902 Â± 0.00042 |
| **8** | 45.0 | 330.0 | 0.43232 | 0.41844 | -3.210562 | -0.01388 | 0.000342 | 0.000425 | -0.014305 | -0.013455 | -0.01388 Â± 0.00042 |
| **9** | 50.0 | 330.0 | 0.43242 | 0.42018 | -2.830539 | -0.01224 | 0.000321 | 0.000398 | -0.012638 | -0.011842 | -0.01224 Â± 0.0004 |

# E1-AA

| | Temperature (ËšC) | Wavelength (nm) | Absorbance Before (Au) | Absorbance After (Au) | Percent Difference (%) | Mean Difference | Standard Deviation | Interval | Lower Bound | Upper Bound | Confidence Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 5.0 | 330.0 | 0.05872 | 0.00062 | -98.945274 | -0.05810 | 0.000187 | 0.000232 | -0.058332 | -0.057868 | -0.0581 Â± 0.00023 |
| **1** | 10.0 | 330.0 | 0.05874 | 0.00224 | -96.187618 | -0.05650 | 0.000187 | 0.000232 | -0.056732 | -0.056268 | -0.0565 Â± 0.00023 |
| **2** | 15.0 | 330.0 | 0.05878 | 0.00816 | -86.117713 | -0.05062 | 0.000342 | 0.000425 | -0.051045 | -0.050195 | -0.05062 Â± 0.00042 |
| **3** | 20.0 | 330.0 | 0.05882 | 0.00288 | -95.102110 | -0.05594 | 0.000631 | 0.000783 | -0.056723 | -0.055157 | -0.05594 Â± 0.00078 |
| **4** | 25.0 | 330.0 | 0.05886 | 0.00936 | -84.096797 | -0.04950 | 0.000430 | 0.000534 | -0.050034 | -0.048966 | -0.0495 Â± 0.00053 |
| **5** | 30.0 | 330.0 | 0.05876 | 0.04246 | -27.738081 | -0.01630 | 0.000430 | 0.000534 | -0.016834 | -0.015766 | -0.0163 Â± 0.00053 |
| **6** | 35.0 | 330.0 | 0.05874 | 0.03930 | -33.092709 | -0.01944 | 0.000503 | 0.000625 | -0.020065 | -0.018815 | -0.01944 Â± 0.00062 |
| **7** | 40.0 | 330.0 | 0.05880 | 0.03886 | -33.909604 | -0.01994 | 0.000498 | 0.000618 | -0.020558 | -0.019322 | -0.01994 Â± 0.00062 |
| **8** | 45.0 | 330.0 | 0.05872 | 0.04240 | -27.790347 | -0.01632 | 0.000507 | 0.000629 | -0.016949 | -0.015691 | -0.01632 Â± 0.00063 |
| **9** | 50.0 | 330.0 | 0.05882 | 0.04342 | -26.179580 | -0.01540 | 0.000424 | 0.000527 | -0.015927 | -0.014873 | -0.0154 Â± 0.00053 |

# E1-CAM

| | Temperature (ËšC) | Wavelength (nm) | Absorbance Before (Au) | Absorbance After (Au) | Percent Difference (%) | Mean Difference | Standard Deviation | Interval | Lower Bound | Upper Bound | Confidence Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 5.0 | 330.0 | 0.05766 | 0.05248 | -8.982971 | -0.00518 | 0.000286 | 0.000356 | -0.005536 | -0.004824 | -0.00518 Â± 0.00036 |
| **1** | 10.0 | 330.0 | 0.05758 | 0.05144 | -10.661738 | -0.00614 | 0.000344 | 0.000427 | -0.006567 | -0.005713 | -0.00614 Â± 0.00043 |
| **2** | 15.0 | 330.0 | 0.05748 | 0.05056 | -12.036647 | -0.00692 | 0.000487 | 0.000604 | -0.007524 | -0.006316 | -0.00692 Â± 0.0006 |
| **3** | 20.0 | 330.0 | 0.05760 | 0.04938 | -14.266175 | -0.00822 | 0.000638 | 0.000792 | -0.009012 | -0.007428 | -0.00822 Â± 0.00079 |
| **4** | 25.0 | 330.0 | 0.05752 | 0.04248 | -26.147878 | -0.01504 | 0.000152 | 0.000188 | -0.015228 | -0.014852 | -0.01504 Â± 0.00019 |
| **5** | 30.0 | 330.0 | 0.05756 | 0.04058 | -29.497358 | -0.01698 | 0.000476 | 0.000592 | -0.017572 | -0.016388 | -0.01698 Â± 0.00059 |
| **6** | 35.0 | 330.0 | 0.05756 | 0.03860 | -32.938786 | -0.01896 | 0.000297 | 0.000368 | -0.019328 | -0.018592 | -0.01896 Â± 0.00037 |
| **7** | 40.0 | 330.0 | 0.05756 | 0.03744 | -34.952579 | -0.02012 | 0.000517 | 0.000642 | -0.020762 | -0.019478 | -0.02012 Â± 0.00064 |
| **8** | 45.0 | 330.0 | 0.05756 | 0.03718 | -35.405729 | -0.02038 | 0.000249 | 0.000309 | -0.020689 | -0.020071 | -0.02038 Â± 0.00031 |
| **9** | 50.0 | 330.0 | 0.05756 | 0.03668 | -36.273621 | -0.02088 | 0.000356 | 0.000442 | -0.021322 | -0.020438 | -0.02088 Â± 0.00044 |

# E1-EA

| | Temperature (ËšC) | Wavelength (nm) | Absorbance Before (Au) | Absorbance After (Au) | Percent Difference (%) | Mean Difference | Standard Deviation | Interval | Lower Bound | Upper Bound | Confidence Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 5.0 | 330.0 | 0.45924 | 0.16558 | -63.944784 | -0.29366 | 0.000297 | 0.000368 | -0.294028 | -0.293292 | -0.29366 Â± 0.00037 |
| **1** | 10.0 | 330.0 | 0.45914 | 0.18332 | -60.073187 | -0.27582 | 0.000736 | 0.000914 | -0.276734 | -0.274906 | -0.27582 Â± 0.00091 |
| **2** | 15.0 | 330.0 | 0.45916 | 0.20756 | -54.795720 | -0.25160 | 0.000539 | 0.000669 | -0.252269 | -0.250931 | -0.2516 Â± 0.00067 |
| **3** | 20.0 | 330.0 | 0.45922 | 0.24554 | -46.531068 | -0.21368 | 0.000363 | 0.000451 | -0.214131 | -0.213229 | -0.21368 Â± 0.00045 |
| **4** | 25.0 | 330.0 | 0.45922 | 0.32760 | -28.661653 | -0.13162 | 0.000370 | 0.000460 | -0.132080 | -0.131160 | -0.13162 Â± 0.00046 |
| **5** | 30.0 | 330.0 | 0.45918 | 0.42054 | -8.415019 | -0.03864 | 0.002117 | 0.002629 | -0.041269 | -0.036011 | -0.03864 Â± 0.00263 |
| **6** | 35.0 | 330.0 | 0.45922 | 0.43118 | -6.105973 | -0.02804 | 0.000702 | 0.000872 | -0.028912 | -0.027168 | -0.02804 Â± 0.00087 |
| **7** | 40.0 | 330.0 | 0.45918 | 0.43586 | -5.078611 | -0.02332 | 0.000536 | 0.000665 | -0.023985 | -0.022655 | -0.02332 Â± 0.00067 |
| **8** | 45.0 | 330.0 | 0.45934 | 0.44760 | -2.555824 | -0.01174 | 0.000451 | 0.000559 | -0.012299 | -0.011181 | -0.01174 Â± 0.00056 |
| **9** | 50.0 | 330.0 | 0.45926 | 0.44948 | -2.129508 | -0.00978 | 0.000327 | 0.000406 | -0.010186 | -0.009374 | -0.00978 Â± 0.00041 |

# E1-SA

| | Temperature (ËšC) | Wavelength (nm) | Absorbance Before (Au) | Absorbance After (Au) | Percent Difference (%) | Mean Difference | Standard Deviation | Interval | Lower Bound | Upper Bound | Confidence Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 5.0 | 330.0 | 0.16842 | 0.14646 | -13.038765 | -0.02196 | 0.000336 | 0.000417 | -0.022377 | -0.021543 | -0.02196 Â± 0.00042 |
| **1** | 10.0 | 330.0 | 0.16862 | 0.14818 | -12.121644 | -0.02044 | 0.000477 | 0.000593 | -0.021033 | -0.019847 | -0.02044 Â± 0.00059 |
| **2** | 15.0 | 330.0 | 0.16856 | 0.14932 | -11.414178 | -0.01924 | 0.000251 | 0.000312 | -0.019552 | -0.018928 | -0.01924 Â± 0.00031 |
| **3** | 20.0 | 330.0 | 0.16848 | 0.15240 | -9.544007 | -0.01608 | 0.000295 | 0.000366 | -0.016446 | -0.015714 | -0.01608 Â± 0.00037 |
| **4** | 25.0 | 330.0 | 0.16844 | 0.15350 | -8.869338 | -0.01494 | 0.000397 | 0.000494 | -0.015434 | -0.014446 | -0.01494 Â± 0.00049 |
| **5** | 30.0 | 330.0 | 0.16830 | 0.15628 | -7.141922 | -0.01202 | 0.000217 | 0.000269 | -0.012289 | -0.011751 | -0.01202 Â± 0.00027 |
| **6** | 35.0 | 330.0 | 0.16848 | 0.15852 | -5.911397 | -0.00996 | 0.000445 | 0.000553 | -0.010513 | -0.009407 | -0.00996 Â± 0.00055 |
| **7** | 40.0 | 330.0 | 0.16844 | 0.16234 | -3.621212 | -0.00610 | 0.000430 | 0.000534 | -0.006634 | -0.005566 | -0.0061 Â± 0.00053 |
| **8** | 45.0 | 330.0 | 0.16816 | 0.16320 | -2.949518 | -0.00496 | 0.000114 | 0.000142 | -0.005102 | -0.004818 | -0.00496 Â± 0.00014 |
| **9** | 50.0 | 330.0 | 0.16840 | 0.16524 | -1.876367 | -0.00316 | 0.000270 | 0.000335 | -0.003495 | -0.002825 | -0.00316 Â± 0.00034 |