Student results

Table 1: Activity of Banana PPO in the crude at various volumes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Time/ s | A352nm | | | | | |
| 0.5 mL CE | 0.2 mL CE | 0.1 mL CE | 0.01 mL CE | 0.002 mL CE | 0.001 mL CE |
| 0 | 0.237 | 0.139 | 0.096 | 0.059 | 0.035 | 0.033 |
| 30 | 0.551 | 0.452 | 0.291 | 0.128 | 0.061 | 0.051 |
| 60 | 0.539 | 0.601 | 0.451 | 0.163 | 0.078 | 0.061 |
| 90 | 0.525 | 0.587 | 0.573 | 0.188 | 0.090 | 0.068 |
| 120 | 0.521 | 0.565 | 0.629 | 0.216 | 0.098 | 0.072 |

Table 2: Determination of banana PPO content in crude extract, supernatant, re-suspended pellet and retentate using Bio-Rad Bradford Assay.

|  |  |  |  |
| --- | --- | --- | --- |
| BSA Standard/ mg/ mL | A595nm | Protein Sample | A595nm |
| 0.01 | -0.012 | Crude Extract | 0.119 |
| 0.025 | 0.01 |
| 0.05 | 0.046 | Supernatant | 0.001 |
| 0.075 | 0.066 |
| 0.125 | 0.098 | Re-suspended Pellet | 0.286 |
| 0.400 | 0.318 |
| 0.800 | 0.624 | Retentate | 0.165 |