|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Order** | **Rate law** | **Integrated Rate Law** | **Linear plot** | **Slope** | **Units of *k*** |
| 0th | rate = *k* |  | [A] vs *t* | -*k* | M/s |
| 1st | rate = *k*[A] |  | ln[A] vs *t* | -*k* | s-1 |
| 2nd | rate = *k*[A]2 |  |  | *k* | M-1s-1 |