Lab Report for 22/03/24:

* pH 2 buffer solution sourced from Niharika.
* Solutions prepared and kept on shaker:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| pH | Mass | Copper Conc. | Solvent | Measured Mass |
| 2 | 0.025 | 0.05 | Water | 0.023 |
| 2 | 0.025 | 0.05 | 50% ethanol | 0.025 |
| 2 | 0.050 | 0.05 | Water | 0.055 |
| 2 | 0.050 | 0.05 | 50% ethanol | 0.056 |

* Absorbance-measured solutions:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Copper Conc. | pH | Mass | Solvent | Absorbance | Observations |
| 0.05 | 7 | 0.025 | Water | 0.271 | Pale teal, highly turbid |
| 0.05 | 7 | 0.025 | 50% ethanol | 0.275 | Pale blue, highly turbid |
| 0.05 | 7 | 0.075 | Water | 0.163 | Pale golden yellow, highly turbid |
| 0.05 | 7 | 0.075 | 50% ethanol | 0.263 | Pale blue, highly turbid |