Lab Report for 11/10/23:

* The colors of the solutions from yesterday’s (10/10/23) lab session were noted down.
* A new solvent combination was also tested in boiling point extraction (BPE).

Lab Work: (12:00-12:50)

* 0.053g of PPP (pomegranate peel powder) was added to a beaker.
* Then, 25mL of ethanol and 25mL of methanol were added to the beaker using a measuring cylinder.
* Afterwards, the beakers were placed on the heating mantle at 373K.
  + They were removed when the solution started boiling and some amount of it had boiled off.
* Then it was filtered and 20mL of the filtrate was pipetted out and 10mL of the copper standard was added to the filtrate using a measuring cylinder.
* Then the solution was placed on the rotary shaker.

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| **Solvent and PPP Mass** | **Visual Observations** |
| Water (0.05g) | Golden yellow |
| Chloroform (0.1g) | Two immiscible liquids; one transparent, one clear |
| 50% Ethanol (0.05) | Olive green (slight precipitatation) |
|  | **Not working:** |
| Water (0.1g) | Brown (heavy turbidity) |
| 50% Ethanol (0.1g) (10mL solvent:15mL Cu2+) | Brown (heavy turbidity) |
| Ethanol (0.1g) | Brown (heavy turbidity) |
|  | **Today’s solution:** |
| Methanol+Ethanol (25mL:25mL) (0.05g) | Light brown (blue ppt. & dark red/black ppt.) |