* **Objectives**

To find the linear absorption coefficient .

* **Result & Discussion**Graphical user interface, application, table, Excel

  Description automatically generated

**Data were represented using :**

**Ln ( Io/I ) = µm \* td**

**µL = µm \* (Pb density) = 1.8928 \* 13.5 = 25.55 cm^-1**

**%error = (25.55 – 1.07) x 100 /1.07 = 22287% !!!**

* **Conclusion**

To sum up, I used many different representations to achieve such approximate target (**µL),** but it was very hard to pick one. Because the data are very confusing. Anyhow, I followed the classical approach, i.e., by taking the *natural log* for both sides of the equation. In another words, I choose to follow the safe side. Despite that, the percentage of error found was unreasonable at all. I will reason that for the high variety between data given.