*Use this graph for Part 3 of Lab #4 Diffusion/Osmosis to find water potential of Potatoes*

**Percent Change in Mass of Potato Cores at Different Molarities of Sucrose**



Determine the molar concentration of the potato core. This would be the sucrose molarity in which the mass of the potato core does not change. To find this, draw a “line of best fit” through your data points. **The point at which this line crosses the x-axis represents the molar concentration of sucrose with a water potential that is equal to the potato tissue water potential.** At this concentration, there is no net gain or loss of water from the tissue. Indicate this concentration of sucrose both on the graph above *and* in the space below.

Molar Concentration of Sucrose = \_\_\_\_\_\_\_\_\_M

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