**Lab sheet (2)**

**Estimation of reducing sugars in milk**

**Method:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **sample** | **water** | **DNS reagent** |  | **Sodium potassium tartrate** |
| B | -- | 1 | 3 | Cover the tubes (with aluminum foil)  And heat for 5 min. in a boiling water bath | 1 |
| S1 | 1 | --- | 3 | 1 |
| S2 | 0.6 | 0.4 | 3 | 1 |

- Mix the contents.

- Cool by immersing in cold water and read at 510 nm.

**Results**

|  |  |  |
| --- | --- | --- |
| **Tube** | **Absorbance** | **CHO content (mg/dl)** |
| B | -- | -- |
| S1 |  |  |
| S2 |  |  |

**Calculations:**

**- Dilution factor =** final volume

aliquot volume

**- The amount of carbohydrate in the sample = ----------mg/dl x dilution factor**