Experiment 6
Polarimetry

Section number: **Group number:**

Objective:

Method:

preparation of a standard solution

- The sugar identity is _____
- The concentration of a standared solution in g/ ml is _____ (show your calculation)

- The cell length in dm is _____

Results:

	No.	Sample	Observed rotation (α obs)	Direction of rotation (+/-)
Part 1	1	Standard solution		
Part 2	1	Unknown no: ----------		

Discussion

1. Calculate the specific rotation of your sugar

2. Is there is a difference between the calculated specific rotation "question 1" and the literature value " -86 for D-fructose"? if there is a deference suggest a possible reason.

3. Calculate the concentration of your unknown sample

Experiment Report Workload Distribution Table

Coordinator for Current Experiment[1]:		
Section[2]	**Student Name[3]**	**Percentage of the Performed workload[4]**

[1]Mention the name of the student/ group member who did arrange the work related to the current experiment group report/work management.
[2]Section or part of the group report
[3]Mention the name of student/the group member who took responsibility of the specified group report section
[4]Relative to the whole workload used to prepare the current group report.