

Lab sheet #4**-Estimation of inorganic phosphate in soft drinks -****Method:**

- Set up a series of test tube as follows:

	Inorganic phosphate standard (ml)	Soft drink sample (ml)	Water (ml)	Ammonium molybdate	Ascorbic acid
Blank	----	---	2	0.5 ml	0.5 ml
3 ppm	2	---	---		
4.5 ppm	2	---	---		
6 ppm	2	---	---		
12 ppm	2	---	---		
15 ppm	2	---	---		
SD1	---	1	1		
SD2		2	0		

- Mix after each addition.
- Allow to stand for 10 min (a deep blue/green colour should develop).
- Measure the absorbance at 650 nm.

Results:

Tube	Absorbance at 650nm
3 ppm	
4.5 ppm	
6 ppm	
12 ppm	
15 ppm	
SD1 sample	
SD2 sample	