

Lab sheet #5

-Estimation of proline In Honey -

Method:

	B	1	2	3	4	5	S1
Proline Standard (200 mg/dl)	--	0.2	0.4	0.6	0.8	1	-----
Honey Sample	--	--	--	--	--	--	1
Distal water	1	0.8	0.6	0.4	0.2	0	-----
Formic acid	0.5 ml						
Ninhydrine	2 ml						

- Mix thoroughly after each addition.
- Boiling water bath for 10 min and then allow to cool at room temperature for 10 min.
- A deep **red colour** should develop.
- Add 10 ml of the 2-propanol-water solution (1:1) to each tube.
- Mix well using Vortex.
- Measure the absorbance at 520 nm.

- In a clean test tubes add:

Results:

Tubes	Absorbance At 520 nm	Proline concentration (mg/dl)
1		
2		
3		
4		
5		
Sample		

-Calculations:

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