

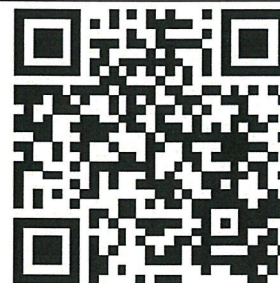


**GAWANDE COLLEGE OF
PHARMACY.**

Sakharkherda, Lavala Road, Tq.

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Dist.Buldhana



Department: **Analytical Chemistry**

Name of the instrument:-**NEPHELOMETER**

S.O.P. No.: GCP/PH/015

Stock Register No.:AC00-
20/02

Effective date:6/2/17




Review date:15/2/17

Procedure:

1. Ensure that instrument is clean and free from dust.
2. Ensure that plug is connected to the mains.
3. Press power 'ON/OFF' switch at the panel to 'ON' position.
4. Open the lid of the sample compartment of the instrument; insert the BLANK filled test tube into the sample compartment.
5. Close the lid and Adjust the SET 0 control to get 0 displayed on the readout.
6. Replace the BLANK filled test tube with REFERENCE STANDARD of highest known concentration.
7. Push the Button SET 100 control to get 100 displayed on the readout.
8. Push the Button SET 1000 control to get 1000 displayed on the readout.
9. Open the lid of the sample compartment, insert one of the other marked test tube filled with the other REFERENCE STANDARD of known concentrations into the sample compartment and close the lid.
10. Note the value of TURBIDITY of content displayed on the readout.
11. Repeat the operation of step 9 and 10 with each of the marked test tubes filled with rest of the REFERENCE STANDARDS of different known concentrations.
12. Draw the CALIBRATION CURVE of CONCENTRATION Vs TURBIDITY.
13. Transfer the SAMPLE in the separate marked test tube, open the lid of the sample compartment, insert the SAMPLE filled test tube in to the sample compartment, close the lid and readout the display.
14. Switch OFF the instrument when not in use for long period.



NEPHELOMETER

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