



**GAWANDE COLLEGE OF
PHARMACY.**

Sakharkherda, Lavala Road, Tq.
Sindkhed Raja
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Department: **Analytical Chemistry**

Name of the instrument: **P^HMETER**

S.O.P. No.: GCP/PH/053

Stock Register No.: PH-
00163/04

Effective date: 27/2/2014

Review date: 2/3/2014

Procedure:


- Ensure that instrument is clean and free from dust.
- Ensure that plug is connected to the mains.
- Press power 'ON/OFF' switch at the rear panel to 'ON' position.
- Connect Glass and Reference electrode to appropriate terminals at the rear panel.
- Set the temperature compensation knob to the temperature of solution.
- Place the electrode in Buffer - '7'
- Press "stand by"/ "Read" switch on the front panel to "Read".
- Adjust ASM (Asymmetry potential knob) control knob to read 7 pH in the Display.
- Bring the "stand by"/ "Read" switch back to "stand-by".
- Remove the electrode from Buffer '7'. Wash and place them in Buffer '4' or '9.2'.
- Press "stand by"/ "Read" switch to "Read".
- Adjust SLP control knob (Slope control knob) to read '4' pH or '9.2' pH in the display.
- Check back Buffer '7' and adjust ASM control if necessary.
- Repeat 7 and 4 or 9.2 Buffers till read both the Buffers values correctly.

- Rinsed the electrode with distilled water and placed it in sample and read sample pH.
- Switch OFF the instrument when not in use for long period.




P^HMETER

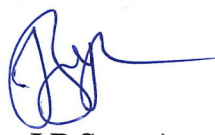
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