



**GAWANDE COLLEGE OF
PHARMACY.**

Sakharkherda, Lavala Road, Tq.

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Dist. Buldhana



Department: **Pharmaceutical chemistry**

Name of the instrument: **Melting Point Apparatus**

S.O.P. No.: GCP/PH/024

Stock Register No.: PC00-23/02

Effective date: 6/2/17

Review date: 12/2/17

Procedure:

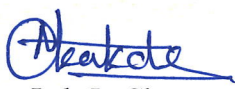
1. Ensure that instrument is clean and free from dust.
2. Ensure that plug is connected to the mains.
3. Ensure that knobs are in normal position.
4. Place a suitable standardized thermometer in the hole provided in white Teflon cover.
5. Fill the capillary tube with the testing sample as specified and placed it in the Teflon hole.
6. Switch on the mains and the 'ON' switch provided on the instrument.
7. For the melting point upto about 150 °C use the heat selector switch in the low position and for higher melting points, set it to high position.
8. When temperature reaches within about 20 °C below the expected melting point of the substances, reduced the rate of heating by turning the knob anti-clockwise.
9. Adjust heating rate suitably to about 1 °C per minute.
10. Note the temperature of melting point or melting range.
11. Repeat the procedure 2/3 times and determined the correct melting point or

melting range.



Melting Point Apparatus

Prepared by



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