

## **Mettler FP82 Hot Stage-Calibration Procedure**

Calibration will be done semi-annually. A calibration log will be kept. The following procedure will be followed:

- A. Follow the procedures for operating the Phase Contrast/Glass Microscope.
- B. Place a small amount of phenacetin on a 75 X 25 X 1 mm microscope slide and cover with a cover glass.
- C. Insert the slide into the Hot Stage and position the sample in view from the microscope.
- D. Program the Hot Stage starting to 130°C and to scan at 1°C/min.
- E. Increase the temperature while observing the sample. Record the temperature when the phenacetin melts. This value should be very close to 134°C.
- F. If the melting point varies more than  $\pm 1.0^{\circ}\text{C}$ , adjustments must be made by a factory representative.