Grim-2 Calibration Procedure

Calibration of the B oils will be performed annually Calibration of A and C oils will be calibrated upon use or annually whichever is longest. A standard will be run and recorded for each case . See Grim-2 instrumental procedure for step by step instructions for standard calibration.

- I. Start up and Calibration procedure
 - 1. Turn "ON" the amber switch.
 - 2. Turn "ON" the red switch (this powers up the Grim-2).
 - 3. Turn "ON" the power source to the phrase contrast microscope.
 - 4. Turn on the computer.
 - 5. Allow the system to warm up and stabilize for one (1) hour before taking readings.
 - 6. Open the software by double clicking on the Grim-2 icon.
 - 7. Go to the menu bar and select:

File/open

From the dialog box select:

Sbi/gfw, then click on ok

8. Return to the menu bar and select:

Recalibrate	
From the dialog box	x select:
Oil	Wave
В	589

- 9. Enter password and operator id.
- 10. The calibration page will appear and it will have a previously entered data. You can replace this data with current data as you proceed with calibration.
- 11. Crush a sample of B1 glass and immerse in B liquid.
- 12 Click on first match temperature box and then click on Measure B1.
- 13. This will bring you to the hotstage screen. Choose an edge with sufficient contrast and select **F9 Setup.** Position the analysis box over the edge of sharp contrast.
- 14. Adjust temperature to 5 degrees above previous mean temperature.
- 15. Click on F4 Auto to record match temperature.

Note: Edge count is a measure of contrast. The edge count should always be above 10 and optimally be at 99.

16. If analysis is acceptable select **F10 Accept**.

- 17.If not acceptable, select F9 Setup to reposition analysis box.
- 18.In calibration dialog select Save to save value.
- 19.Repeat steps 12-18 for fragments 2-5.
- 20.Repeat steps 11-19 for glass standards B2-B12.

to the Note: During analysis should you decide to exit the

calibration box **<u>you must</u>** select **Calibrate** in order

save the current values. This command will adjust

match temperature values to the current entries.

II. Shut-down

- 1. Allow the system to cool.
- 2. Turn "OFF" all instruments in reverse order of the turn "ON" procedure.

III. Safety Concerns

- A. Glass slides have sharp edges and can cut.
- B. High Temperature may be produced.
- IV. Other Information-consult the Manufacturer's manuals.