



**Purpose:** To measure the viscosity of lane dressings.

**Materials:**

- Viscometer, Brookfield LVDV II+ Pro
- Analytical Laboratory Digital Water Bath, Brookfield TC-502
- Beaker, Griffin, Low Form, 600 mL
- Spindle, LV1, Brookfield
- Spindle Guard Leg for LV Viscometer, Brookfield
- Temperature Probe for Viscometer, Brookfield
- Viscosity data sheet
- North Woods Trapper, solvent degreaser

**Procedure:**

1. Setup
  - a. Power up Viscometer and Water Bath.
  - b. Laboratory clean and dry all Viscometer parts and beaker.
  - c. Set water bath temperature to 25°C.
  - d. Record sample number, manufacturer's name and date on Viscosity data sheet.
  - e. Attach spindle and guard leg to LVDV II+ Pro.
2. Sample preparation
  - a. Allow the water bath to equilibrate to 25°C.
  - b. Pour approximately 550 mL of the sample to be evaluated into a clean 600 mL beaker.
  - c. Place beaker into the water bath.
  - d. Attach temperature probe to spindle guard leg and lower Viscometer into the beaker until the spindle is fully immersed in the sample.
  - e. Allow sample to equilibrate to 21.1°C; this temperature may be viewed on the Viscometer screen.
3. Data collection
  - a. Record the sample temperature. This should read 21.1°C.
  - b. Turn on LVDV II+ Pro motor and obtain a stable % Torque between 10% and 1000%.
  - c. Record the displayed viscosity, in Centipoise (cP), RPM, and % Torque on the Viscosity data sheet.
4. Post-collection
  - a. Turn off motor.
  - b. Remove viscometer assembly from beaker and turn off
  - c. Thoroughly clean all viscometer parts and beaker with solvent degreaser.
  - d. Laboratory clean and dry all Viscometer parts and beaker.