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## VISCOSITY MEASUREMENT VM-2

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### TEST PROCEDURE

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This test method describes the procedure for measurement of viscosity on small quantities (0.1cc) materials at 25°C using cone & plate viscometer.

### EQUIPMENT USED

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- **Brookfield Digital Viscometer Model DV-11+(cone & plate)**
- **Brookfield water bath #EX200**
- **Spindle #CP 51 or CP 42**

Prior to testing, the waterbath must be turned on and the temperature be regulated at 25°C.

Remove sample cup and attach the cone (spindle ##CP51) to the viscometer. Hold shaft firmly using a spindle wrench with one hand while screwing the spindle with the other hand (Note left hand thread). Attach the cup and swing the clip under the cup to secure it. Turn on the viscometer. With no sample in the viscometer, adjust the gap between the cone and plate following the procedure provided in the manual.

Prepare the sample by removing the material to be tested from the cold storage and allowing it to stand for 10 minutes at room temperature or until material is completely thawed . Detach the cup from the viscometer. Measure 0.5 cc of thawed adhesive and put it on the center of the cup. Reattach the cup to the viscometer and secure it with the clip.

Start running the viscometer. Adjust the rpm to give a torque higher than 10% but lower than 80% to be in the viscosity range. When the torque is stable, no drift more than 1%, start recording the viscosity.