



**EQUIPMENT REQUIRED**

- 250 ml Graduated Cylinder
- Hydrometer
- Thermometer

**PROCEDURE: HYDROMETER**

1. Place approximately 220 ml of sample in a 250 ml cylinder.
2. Bring sample to 68°F (20°C).
3. Place an appropriate hydrometer into the cylinder and spin gently.
4. When the hydrometer comes to an even level, take a reading at the bottom of the meniscus.
5. If the sample contains CO<sub>2</sub>, place your hand over the cylinder and gently rock back and forth. Lift your hand and release the CO<sub>2</sub>. Repeat until an accurate reading can be achieved. The sample can also be N<sub>2</sub> sparged to remove CO<sub>2</sub>.

**EQUIPMENT REQUIRED**

- Refractometer
- Plastic Transfer Pipette

**PROCEDURE: REFRACTOMETER**

1. Place approximately four drops of sample on the refractometer prism. (Make sure sample is bubble free).
2. Press the “Read” button on the refractometer.
3. Read digital screen and record results.



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