

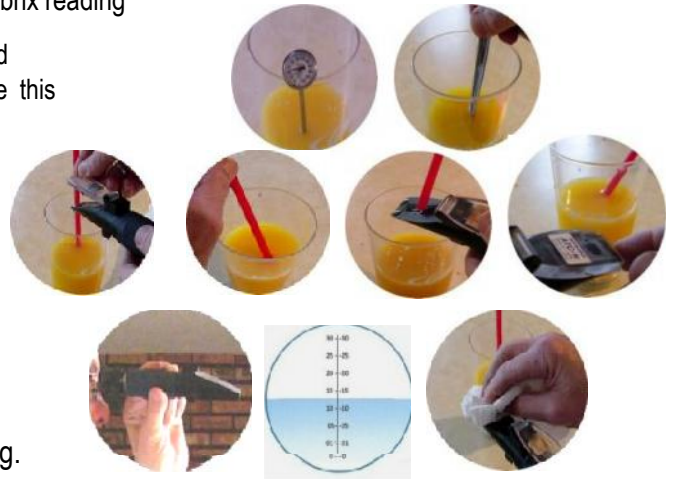
Brix Validation and Procedure Guide

Supplies required : 20 oz cup or glass, 1 straw, Refractometer, spoon, thermometer, supply of paper towels, medium size flat blade screwdriver

Before checking the brix calibration the following steps need to be taken :

1. Refractometer should be zeroed out using ambient tap water. Follow the manufacturers guide to accomplish.
2. Concentrate package should be at least ½ to ¾ full and stabilized in unit for at least a few hours.
DO NOT SET BRIX WITH CONCENTRATE AT AMBIENT TEMPERATURE
OR WITH A BOX THAT IS ALMOST EMPTY
3. Remove the concentrate box and shake. This will eliminate concentrate from settling causing a inconsistent flow.. Good flow is critical to insure proper calibration and consistent brix reading

- **STEP 1** Dispense 12 oz sample into clean dry cup and thoroughly stir using the spoon . If temperature is above this 45 F discard and repeat.
- **STEP 2** Lift the plastic cover and transfer a small sample of finished drink, taken from center of cup or glass to the refractometer lens using the straw. Be sure there is no bubbles present.. Gently close the cover.
- **STEP 3** Hold the refractometer up to a light source so the scale in the circle is illuminated. The brix reading is where the dark line crosses the scale inside the circle . Be sure to wipe and dry the lens between reading.



All juices have a recommended brix setting. For example Orange juice is a 12 on the brix scale. If the line shows above, the finished drink is too strong and water must be added. If it below the line then it is showing as weak and less water it required.

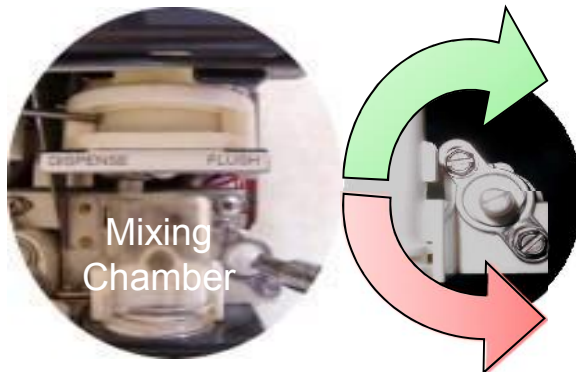
Adjusting the Brix

Once the first reading is taken ,make the adjustments using this illustrated guide.

After determining what adjustment needs to be made ...use the screw driver to turn the adjusting screw as shown.

Make adjustments in small increments if the reading is close.

After adjusting ,dispense 6 oz to be sure that the mixing chamber has been completely emptied . Always discard before drawing the next sample .



CLOCKWISE
Turning the control in lowers the brix by adding water

COUNTER CLOCKWISE
Turning the control out raises the brix by reducing the water

Repeat Steps 1-3 until the correct brix setting is achieved