



BREWING AMERICA

Alcohol Hydrometer Accuracy Check & Testing Instructions

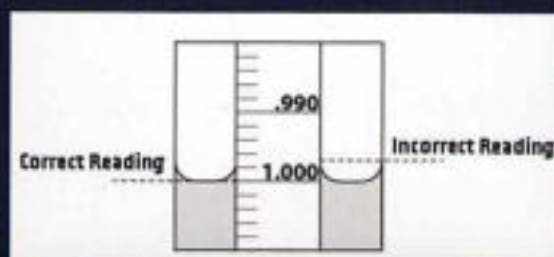
These instructions are based on the recommended use of the Brewing America Alcoholmeter / Proof and Tralle Hydrometer with the Brewing America Glass Test Jar WITHOUT sugar added.

Hydrometer Accuracy Check

1. Wash and sanitize all your testing equipment.
2. Chill Distilled water to 60° Fahrenheit.
3. Fill your Brewing America Test Jar 1/2 to 3/4 full.
4. Gently lower your hydrometer, releasing it from your grip as it begins to float. Gently spin the hydrometer to release any bubbles from the sides. Bubbles can affect readings. **DO NOT ALLOW** the hydrometer to collide against the bottom of the test jar! This is the #1 cause of hydrometer breakage.
5. Making sure the hydrometer is not touching the sides of the test jar and is floating freely, take a reading across the bottom of the meniscus (see diagram below). Meniscus is a technical word for the curved surface of the liquid.
6. Hydrometer should float at 0 with a +/- .002 variance.

Hydrometer Testing Instructions

1. Follow Step 1 above.
2. Draw a sample of your distilled liquid - avoid testing samples that contain added sugar, as this will affect the readings.
3. Follow Steps 3, 4, 5 above and record your readings. Adjust for temperature (see chart on other side). Be careful with your hydrometer because it is breakable!



Temperature Adjustments

Full Chart: <http://bit.ly/prooftable>

Proof	55°F	60°F	65°F	70°F	75°F	80°F	85°F	90°F	95°F
77	79.3	77	74.8	72.5	70.2	68	65.7	63.5	61.2
78	80.3	78	75.8	73.5	71.2	69	66.7	64.5	62.2
79	81.2	79	76.8	74.5	72.3	70	67.8	65.5	63.3
80	82.2	80	77.8	75.5	73.3	71	68.8	66.5	64.3
81	83.2	81	78.8	76.5	74.3	72.1	69.8	67.6	65.3
82	84.2	82	79.8	77.5	75.3	73.1	70.8	68.6	66.4
83	85.2	83	80.8	78.6	76.3	74.1	71.9	69.6	67.4
84	86.2	84	81.8	79.6	77.4	75.1	72.9	70.7	68.4
85	87.2	85	82.8	80.6	78.4	76.1	73.9	71.7	69.4
86	88.2	86	83.8	81.6	79.4	77.2	74.9	72.7	70.5
87	89.2	87	84.8	82.6	80.4	78.2	76	73.7	71.5
88	90.1	88	85.8	83.6	81.4	79.2	77	74.8	72.5
89	91.1	89	86.8	84.6	82.5	80.3	78	75.8	73.6
90	92.1	90	87.8	85.7	83.5	81.3	79.1	76.8	74.6
91	93.1	91	88.8	86.7	84.5	82.3	80.1	77.9	75.6
92	94.1	92	89.8	87.7	85.5	83.3	81.1	78.9	76.7
93	95.1	93	90.8	88.7	86.6	84.4	82.2	80	77.7
94	96.1	94	91.9	89.7	87.6	85.4	83.2	81	78.8
95	97.1	95	92.9	90.7	88.6	86.4	84.2	82.1	79.8
96	98.1	96	93.9	91.8	89.6	87.5	85.3	83.1	80.9
97	99.1	97	94.9	92.8	90.6	88.5	86.3	84.1	81.9
98	100.1	98	95.9	93.8	91.7	89.5	87.4	85.2	83
99	101	99	96.9	94.8	92.7	90.6	88.4	86.2	84
100	102	100	97.9	95.8	93.7	91.6	89.4	87.3	85.1

Instructions: Measure the proof and then measure the temperature. Use the table to determine the actual proof. For a complete list of Proof Tables, visit this link:

<http://www.brewingamerica.com/proof-temperature-table/>

To determine alcohol by volume (ABV): $(\text{Proof}) / (2) = \text{ABV}$
 Please handle your hydrometer with care and do not place it in hot liquids. Be sure to place it back in the case right after use.

Thank you for your purchase! If you have any questions or concerns, please email us at support@BrewingAmerica.com.



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