



HI-7001L PH 1.68 BUFFER SOLUTION, 500 ML BOTTLE

Reference: HI-7001L

Achieve accurate pH readings and check your meter and electrode is functioning correctly with Hanna buffer solutions.

✓ **Accuracy: +/- 0.01pH @ 25°C**

FULL DESCRIPTION

The HI-7001L is a 500 mL bottle of 1.68 pH buffer solution

Plating bath samples, food samples and waste samples are often acidic in nature. To increase accuracy of your measurement at lower pH, it is important to calibrate your electrode and meter at that pH also.

The HI-7001L pH 1.68 buffer is available to fulfil this requirement. This pH 1.68 buffer solution allows you to calibrate your measurement system in the acid pH range and bracket your acidic samples by using a second value at 4.01 pH or near 7.01 pH.

Hanna buffer solutions are prepared, ready-to-use, according to precise formulas and standardised in accordance with the National Institute of Standards and Technology (NIST) to ensure quality and accuracy. All solutions show a batch number, an expiry date, and the

correlation table between pH and temperature. A certificate of analysis is available on request. All bottled solutions are sealed with an air tight, tamper-proof seal to prevent any Carbon Dioxide from entering and causing a change in the pH buffer value.

***Millesimal and Technical Buffer solutions explained**

Designed and manufactured for those where accuracy really is vital, Millesimal buffer solutions are produced to a premium quality for customers who require a greater resolution of 0.001 for pH measurements. Accuracy can be guaranteed at +/- 0.002 @ 25°C.

To achieve the more accurate results, Millesimal Buffer solutions are available in pH1.000, pH1.679, pH2.000, pH3.000, pH4.010, pH6.000, pH6.862, pH7.010, pH7.413, pH8.000, pH9.000, pH9.177, pH10.010, pH11.000, pH12.000, pH12.450, pH13.000.

For those requiring a greater spectrum, as well as increased accuracy to readings, Hanna also manufacture a Technical Buffer solution range that shares the accuracy of standard buffers, +/- 0.01 @ 25°C, and features the following pH levels, pH1.00, 2.00, 3.00, 4.01, 5.00, 6.00, 6.86, 7.01, 7.41, 8.00, 9.00, 10.01, 11.00, 12.00, 12.45, 13.00.

Both technical and Millesimal buffer solutions come with a certificate of analysis on purchase.



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.