HI-7009L PH 9.18 BUFFER SOLUTION, 500 ML BOTTLE

Reference: HI-7009L

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

✓ **Accuracy: +/- 0.01pH @ 25◦C**

SPECIFICATION	
Accuracy	Standard ±0.01 pH
pH Value @25°C	9.18
Package	Bottles
Size	500mL
Quantity	1
Certificate of Analysis	No

FULL DESCRIPTION

HI-7009L pH 9.18 Buffer Solution (500 ml)

The pH 9.18 buffer in a 500ml bottle is ideal for those requiring an increased accuracy to alkaline testing, particularly suitable for those working in water purification plants, the food industry, aquatics, and Hydroponics, and in any environments where the pH is expected to be alkaline. Hanna Microprocessor pH meters can be calibrated at pH9.18 and pH10.01.

Buffer solutions should be stored at 25 C, away from direct sunlight for accurate readings.

To correctly maintain your meter/electrode, we highly recommend use of a Hanna cleaning solution, as well as a buffer, for maximum performance every time. pH4, along with pH7, can also be used as an emergency storage solution.

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.

Browse the Hanna complete range of solutions

- pH buffer solutions
- Standard solutions for conductivity, Total Dissolved Solids (TDS), turbidity, salinity and Ion-Selective Electrode (ISE) calibration
- Oxidation Reduction Potential (ORP) test and pre-treatment solutions
- Reference fill solutions for refillable electrodes
- General and specific cleaning solutions for electrodes
- Solutions for electrode maintenance and storage
- Solutions for sample preparation

Solutions are available in many sizes ranging from 20ml sachets for small users to 3.78L (1 gallon) containers for large quantity usage in laboratories.

For safety and traceability, all Hanna solutions are provided with a label showing the batch number and expiry date. A certificate of analysis is available on request in line with NIST standards.

Remember:

- Calibration only counts when using fresh solutions and properly cleaned electrodes every time.
- Routine maintenance will ensure accurate readings while extending the life of the electrode.

Useful information:

Colour Coding for 1L and 1 gallon bottles:

pH 4.01 - Red

pH 7.01 - Green

pH 10.01 – Violet

All calibration buffers are made to a premium quality, produced in accordance with ISO 3696/BS3978 standards using high purity salts, deionised water, certified weight-checked balances, and Class A glassware in a temperature controlled environment monitored with certified thermometers.

All bottles meet with FDA Standards (US Food and Drug Administration).

*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, pH8.000, 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 which share the accuracy of standard buffers, +/- 0.01 @ 25 C, and feature two extra pH levels, **pH1.00** and **pH5.01**, along with pH4.01, pH6.86, pH7.01, and pH10.01.

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, please provide these to our sales team so that details can be confirmed.