



Lovibond® Buffer Solutions

Premium solutions ensure accurate measurements every single time



Lovibond® NIST Traceable pH Buffers: Precision Solutions for Consistent, Reliable Measurements

For precise and reliable pH measurements, trust Lovibond® pH buffers—designed for both laboratory and field applications. Whether you're measuring pH, ion concentration, conductivity, redox potential, or dissolved oxygen, the quality of your calibration solutions is critical. Lovibond® pH buffers 4, 7, and 10 ensure your data is accurate and reproducible, eliminating the risks associated with low-quality, home-made, or expired buffers

Don't compromise on your measurements. Our pH buffers are crafted to deliver consistent performance, minimizing errors and saving you from costly troubleshooting

Solutions Tailored to Your Needs

Lovibond® offers a complete range of pH buffers and calibration solutions, perfectly aligned with our full suite of electrochemistry measurement products. Whether you're in the lab or the field, you can count on Lovibond® meters, electrodes, and accessories to provide the accuracy and repeatability you need, every time

Choose Lovibond® for superior measurement confidence



NIST Traceability

All Lovibond® pH buffers, are traceable to NIST standard reference materials, ensuring the highest level of accuracy and reliability. Each product is labeled with a lot code and expiration date, and the NIST materials used are detailed on the Certificate of Analysis. This certificate also includes the method of analysis, lot-specific test data with tolerances, and the expiration date, guaranteeing full traceability and confidence in your measurements

Commitment to Quality	Expert Formulation for Optimal Performance	Comprehensive Support for Your Needs
Ensures accurate and reproducible measurements	Designed for electrochemical excellence	Delivers the right solution, right when you need it
- High-grade purified water	- Specifically formulated for electrochemical applications	- One source for all your measurement needs
- NIST traceability for trusted accuracy	- Produced using ultrapure water and high-quality chemicals	- Expert technical and applications support
- Rigorous testing for accuracy and extended shelf life	- Strict control over the entire manufacturing process	- Fast and reliable shipments to ensure readiness
- Manufactured under ISO 9001 standards	- Specialized handling and packaging where required	- Continuous availability for consistent results

Crafted with Precision and Quality

Lovibond® pH buffer solutions are meticulously manufactured to deliver unparalleled accuracy and consistency, meeting the highest quality standards in the industry. Produced in controlled batches with ultrapure water that meets standard requirements, our solutions undergo stringent quality testing throughout the production process to ensure they are free from contamination before and after bottling

Every step is carefully monitored, from precise bottle labeling and volume verification to specific lot-release criteria. Our pH buffer solutions are sealed with a pressure-sensitive seal, outer safety seal, and torque-tested cap, ensuring they remain uncontaminated and secure

Both accelerated and standard lifetime testing guarantee that Lovibond® pH buffers stay within their published specifications, retaining their integrity and usability throughout their shelf life. With Lovibond® pH buffer solutions, you can trust that your measurements will be accurate and dependable, sample after sample



“Solutions you can trust for precise electrochemistry measurements”



How do You Know You Have the Right pH Buffers?

A perfect pH measurement relies on usage of the right pH buffer. Using the right buffers for pH calibration is crucial. For instance, calibrating your pH meter to a single point with pH 7 buffer may not give you the most accurate value of a pH of 9.

Accurate pH measurements are attained when multiple calibration points are used to mark the range (above and below the expected pH value). A 2 or 3 point calibration is the suggested procedure to get accurate measurements, relying on 1 point calibration may lead to inaccurate results.

Lovibond® manufactures wide range of pH buffers to suit your needs and applications.

Order Code	Parameter	Range	Pack Size	Shelf Life
IN721251	Buffer Solution	pH 4.01 ± 0.02 (25 'C)	500ml	2 years
IN721253	Buffer Solution	pH 7.00 ± 0.02 (25 'C)	500ml	2 years
IN721255	Buffer Solution	pH 10.01 ± 0.03 (25'C)	500ml	2 years
IN721258	Buffer Solution	pH 9.01 ± 0.02(25'C)	500ml	2 years
IN721261	Buffer Solution	pH 9.2 ± 0.01 (25'C)	500ml	2 years
IN721250	pH buffer set	4.00/7.00/10.00 (25 °C) [100 ml each]	100ml X3	2 years





NIST Traceable pH Buffers

Lovibond® official website



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