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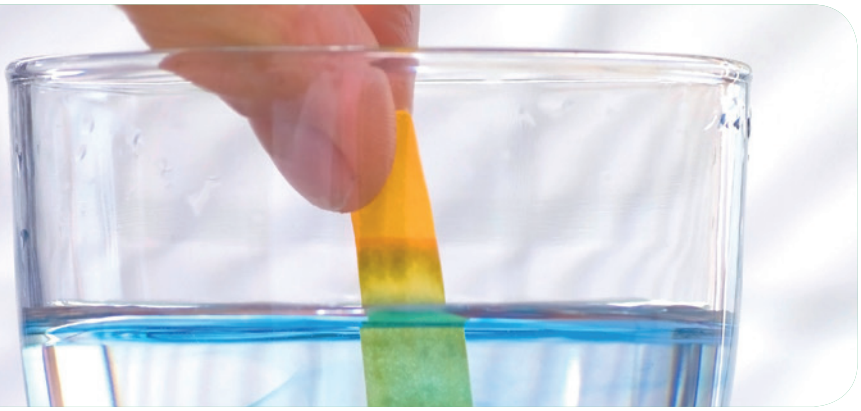
pH tests and semi-quantitative indicator strips

pH measurement

pH measures the concentration of the Hydrogen ion, and is defined as the negative decimal logarithm of the hydrogen ion activity in a solution.
Pure water, with a pH very close to 7 at 25°C, is considered to be of a neutral pH. pH values range from 0 to 14. The more H^+ ions the solution contains (acids), the lower the pH (<7) while the fewer the H^+ ions (therefore more OH^- ions) the solution contains, the more alkaline it is and the higher the pH (>7).
The pH measurement is strongly affected by temperature changes. Possible errors can be felt especially in hot conditions as our pH papers and strips have been calibrated and tested at 20°C.
pH values are widely measured in chemistry and biochemistry as they can affect several chemical processes. pH can be measured using a ph-meter or rapid tests. The latter ones have the advantage of being faster, portable, accurate and of providing immediate results.

Every batch of our pH test strips and papers is calibrated and controlled using buffers traceable to NIST



Universal indicator paper

One of the most popular pH tests in the market, it provides a quick and easy method of indicating the pH of a solution by using a single color change which can be matched to color chart at intervals of 1 pH.

pH indicator strips

Scharlau's pH indicator strips are prepared as a non-bleed system and therefore the resultant color change remains readable far longer until the pad is dry. They provide precise pH values as the different colors do not mix at the point of testing. For more accurate pH readings, our strips use 3 different indicator pads, which allow a rapid method of measuring the pH of a solution while providing high quality results each time.

Advantatges of Scharlau pH strips

✓ Fast pH measurements
✓ Accurate and reliable
✓ Non-bleeding
✓ Convenient for on-site analysis
✓ Optimum results

Product code	Product description	Measurement intervals	Presentation
TP0114000R	Universal indicator paper pH 1-14	pH 1-2-3-4-5-6-7-8-9-10-11-12-13-14	1 reel (5m x 7mm)
TP0111000R	Universal indicator paper pH 1-11	pH 1-2-3-4-5-6-7-8-9-10-11	1 reel (5m x 7mm)
TP0014000S	pH indicator strips pH 0-14	pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14	100 strips per pack
TP0006000S	pH indicator strips pH 0-6	pH 0 - 0.5 - 1.0 - 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 5.5 - 6.0	100 strips per pack
TP0209000S	pH indicator strips pH 2-9	pH 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 - 5.0 - 5.5 - 6.0 - 6.5 - 7.0 - 7.5 - 8.0 - 8.5 - 9.0	100 strips per pack
TP0410000S	pH indicator strips pH 4-10	pH 4.0 - 4.5 - 5.0 - 5.5 - 6.0 - 6.5 - 7.0 - 7.5 - 8.0 - 8.5 - 9.0 - 9.5 - 10.0	100 strips per pack
TP7514000S	pH indicator strips pH 7.5-14	pH 7.5 - 8.0 - 8.5 - 9.0 - 9.5 - 10.0 - 10.5 - 11.0 - 11.5 - 12.0 - 12.5 - 13.0 - 13.5 - 14.0	100 strips per pack

Semi-quantitative indicator strips

Scharlau tests are suitable for the semiquantitative detection of nitrites, nitrates, peracetic acid and peroxides, and they are manufactured under the highest quality standards and adhering to ISO 9001 quality system.
Tests can be carried out in a fast and precise way, providing reliable results both when working in the laboratory, the field or wherever necessary.
All Scharlau's semi-quantitative indicator strips are presented in a cylindric HDPE container and in a carton box for easier and more convenient storage.

Using Scharlau indicator strips is very easy and convenient: just dip the strip in the sample, allow two minutes for the reaction and compare the result with the color chart on the package.

Nitrite indicator strips

Nitrite content is commonly tested in water as a contamination indicator as it can be harmful for aquatic life when present. Cooling lubricants are also tested as nitrites are a by-product that can lead to the formation of carcinogenic compounds. Controlling nitrites is also important in fish farming and aquacultures as it is formed during the decomposition of organic material. Scharlau nitrite indicator strips are a convenient choice to determine nitrates in a fast and reliable way.

Nitrate indicator strips

Nitrates are controlled both in drinking water and waste water as nitrates are also a by-product during the decomposition of organic material. Nitrates are also widely used as fertilizers. Nitrate indicator strips are used in industrial and farming areas as a quick and easy method to determine the level of nitrate in soil and water as a test for water quality.

Product code	Product description	Measurement intervals	Presentation
TP002500NI	Nitrite Indicator strips 0 - 25 mg/L	0 - 0,5 - 1,5 - 10 - 25 mg/L (ppm)	100 strips per pack
TP050000NA	Nitrate Indicator strips 0 - 500 mg/L	0 - 10 - 25 - 50 - 100 - 250 - 500 mg/L (ppm)	100 strips per pack

Peracetic acid indicator strips

Peracetic Acid is widely used as an antimicrobial and sanitizing agent. For decades, it has been used in agricultural premises, food establishments, wineries and dairy or food processing plants among others. Scharlau indicator strips allow the detection of peracetic acid to ensure the sanitizing process has been carried out properly and the determination of residual levels.

Peroxide indicator strips

Hydrogen Peroxide is commonly used as a bleach or cleaning agent due to its oxidizing properties. Peroxide indicator strips can be used for the determination of residual cleaning peroxides.

Product code	Product description	Measurement intervals	Presentation
TP005000PA	Peracetic Acid indicator strips 0 - 50 mg/L (ppm)	0 - 5 - 10 - 20 - 30 - 50 mg/L (ppm)	100 strips per pack
TP050000PA	Peracetic Acid indicator strips 0 - 500 mg/L (ppm)	0 - 100 - 250 - 500 mg/L (ppm)	100 strips per pack
TP010000PX	Peroxide indicator strips 0 - 100 mg/L (ppm)	0 - 1 - 3 - 10 - 30 - 100 mg/L (ppm)	100 strips per pack
TP040000PX	Peroxide indicator strips 0 - 400 mg/L (ppm)	0 - 100 - 200 - 400 mg/L (ppm)	100 strips per pack

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