

# Water Test • pH

## Reagent-Test for Determination of pH = 6 ... 8

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### Principle

The pH is determined using a chlorine-insensitive phenol red indicator solution, the colour of which is in the pH range of 6.0 ... 8.0 changes from yellow to red violet.

### Measuring range

pH: 6.0 ... 8.0

### Reagents

The reagents are ready for use and originally sealed at a storage temperature of +5 ... 20 °C until the imprinted expiration date. Do not leave the reagent bottles open (danger of oxidation of the DPD by atmospheric oxygen), but close them immediately after use with the cap of the same colour.

### Risks and Safety

Please observe the necessary precautions for use of laboratory reagents. Applications should be performed by expert personnel only. Follow the national and laboratory internal guidelines for work safety. Wear suitable protective clothing, safety eyewear and disposable gloves while handling.



[www.sds-id.com](http://www.sds-id.com)

For additional safety information please refer to the information on the label and the corresponding Safety Data Sheet (SDS).

Download by QR-Code or link:

072044-... [www.sds-id.com/100135-0](http://www.sds-id.com/100135-0)

### Main Components/Contents

072044-0030 pH 1x 30mL Reagent pH-Indikator

The above reagent is also part of the following test kits:

072040-6002 KIT 4 Water KIT Chlorine free + total + pH.

### Specimen

Fresh water sample (< 1 h), free of turbidity and particles.

### Reference Range

pH-Value	pH =
Swimming and bathing pool, when using chlorine .....	6.8 ... 7.8
If biocides other than chlorine are added, other pH ranges may be valid.	

### Preparation

Rinse all test devices several times with the sample before use.

Reagents must have reached the measuring temperature +20 ... +37 °C before use. Mix before use.

### Procedure

Prepare the measuring mixture as shown in the following table. To do this, hold dropper bottles vertically during addition and add drops of the same size by pressing slowly.

Measurement approach:

SA	Sample	10 ml
pH	Reagent	Droplet 3x

Mix well. Compare the colour of the solution with a pH colour scale.

### Valuation

Place the measuring tube on the colour chart in the most suitable colour position. View from above.

Place the measuring vessel on the colour chart in the most suitable colour position. View from above.

It is not the intensity of the colour that is decisive, but its gradation between yellow and reddish-violet.

If the color of the test sample corresponds to the highest or lowest color of the pH scale, the pH value may be outside the measuring range.

### Actions

The pH value should be within the specified range. If the value is below pH = 6.8, alkalinizing agent ("pH-lifter", e.g. sodium hydroxide solution or sodium carbonate) must be added, if the value is above pH = 7.8, acid ("pH-lowering", e.g. hydrochloric acid) must be added.

### Notes

#### General information

For the determinations, either use disposables (and really use only once) or, in the case of reusable devices, rinse thoroughly with distilled water after each determination and dry to avoid carry-over.

#### Support / Information service

For methodological and technical support, please contact us by E-Mail at [support@bioanalytic.de](mailto:support@bioanalytic.de) (German, English).

Periodically check for updates of this product information on our website.

#### Feedback

Information from users can be reported to [support@bioanalytic.de](mailto:support@bioanalytic.de) (German, English).

Suggestions for further developments will be considered.

#### Waste Management

Please observe your national laws and regulations.

Used and expired solutions must be disposed of in accordance with your local regulations.

Inside the EU, national regulations apply that are based on the current, amended version of Council Directive 67/548/EEG on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Decontaminated packaging can be disposed of as household waste or recycled, unless otherwise specified.

### Literature & Footnotes

Legends for the graphic symbols and tags used follow relevant norms or are available on our internet pages.

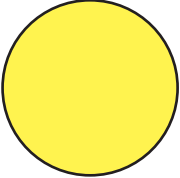
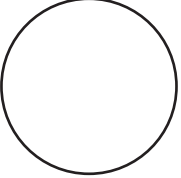
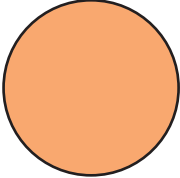
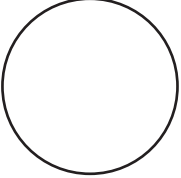
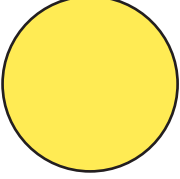
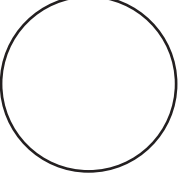
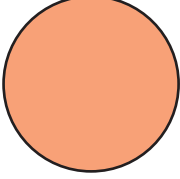
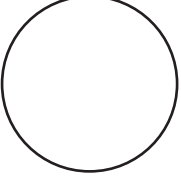
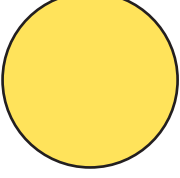
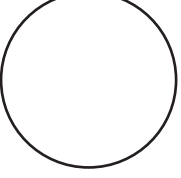
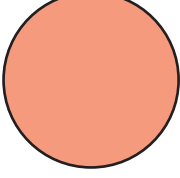
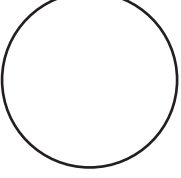
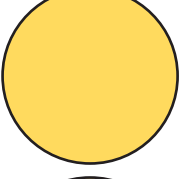
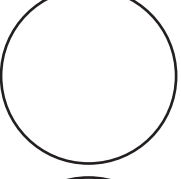
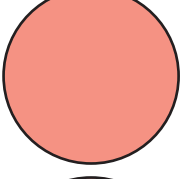
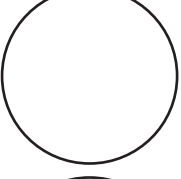
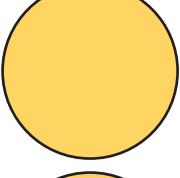
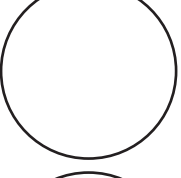
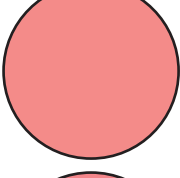
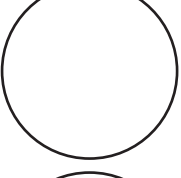
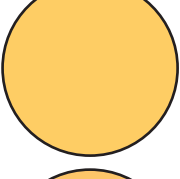
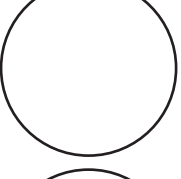
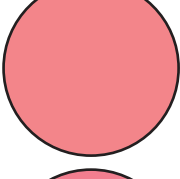
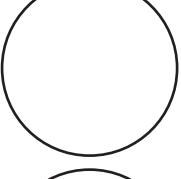
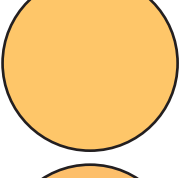
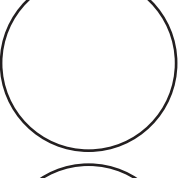
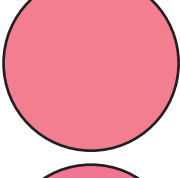
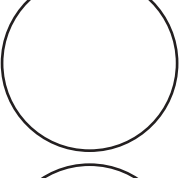
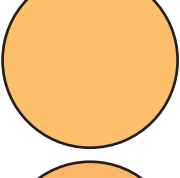
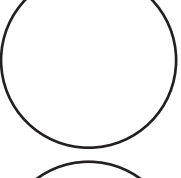
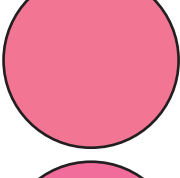
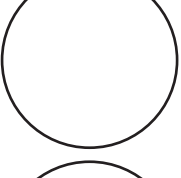
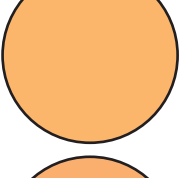
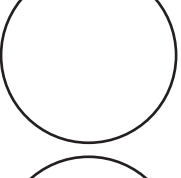
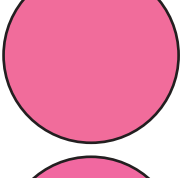
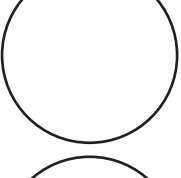
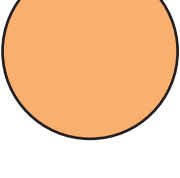
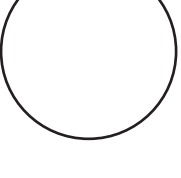
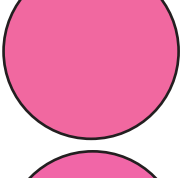
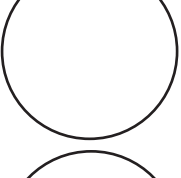
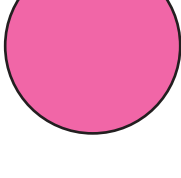
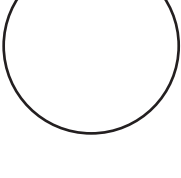
Produktinformation  
Water Test • pH = 6 ... 8

2018-02-25

(en)

072044-PR01

**Farbvergleichstabelle**

		<b>pH = 6.0</b>			<b>pH = 7.0</b>
		<b>pH = 6.1</b>			<b>pH = 7.1</b>
		<b>pH = 6.2</b>			<b>pH = 7.2</b>
		<b>pH = 6.3</b>			<b>pH = 7.3</b>
		<b>pH = 6.4</b>			<b>pH = 7.4</b>
		<b>pH = 6.5</b>			<b>pH = 7.5</b>
		<b>pH = 6.6</b>			<b>pH = 7.6</b>
		<b>pH = 6.7</b>			<b>pH = 7.7</b>
		<b>pH = 6.8</b>			<b>pH = 7.8</b>
		<b>pH = 6.9</b>			<b>pH = 7.9</b>
					<b>pH = 8.0</b>