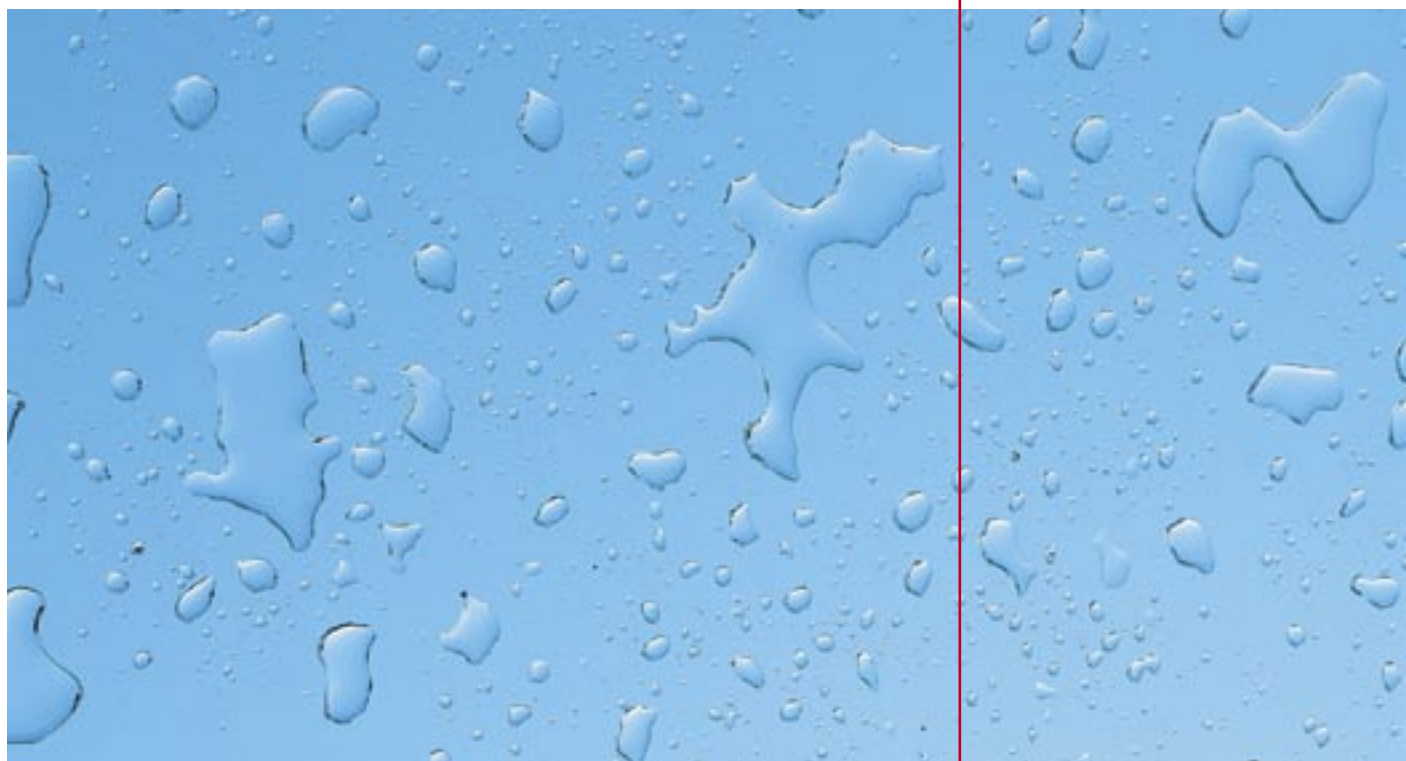


Analytix *LabInfo*



AQUANAL®-Oekotest Water Laboratory

AQUANAL®-Oekotest Water Laboratory contains tests for six water parameters:

hardness, nitrate, nitrite, phosphate, pH and ammonia. Complete, easy to follow instructions and color-coding make the tests fast and simple for anyone to use. The reagents for each test are color-coded, the color corresponding to the color produced in the particular test. The level of each substance is determined by comparison with an included color chart. The individual reagents are environmentally safe, posing no risk to the user or to the environment. It does not require any hazardous labeling.

AQUANAL®-Oekotest Water Laboratory has many applications, but is particularly well suited for the private user or hobbyist, or for schools, where it can be used as part of a project to monitor water quality in local bodies of water.

The following substances in water can be determined by the AQUANAL®-Oekotest Water Laboratory:

Ammonia (NH₄)

Ammonia is a nitrogen compound. It is produced in the decomposition of substances containing nitrogen (manure, humus) in low-oxygen conditions. Nitrogen is an indicator of water quality, too much of which can lead to a fast growth of microorganisms and an imbalance in the water source.

Measurement range : 0.05 - 10 mg/L NH₄

Total hardness

The total hardness is a measure of the calcium and magnesium salts dissolved in the water. It is measured by the German hardness level (°d). The hardness is evident, for example, in the calcium deposit in a coffee machine.

1 drop = 7,19 mg/L Ca

Nitrate (NO₃)

Nitrate is not only a component part of manure containing nitrogen, but also a natural part of green plants. As rain water flows over the earth nitrate enters surface

water and the ground water.

A high nitrate concentration can lead to overfertilization and finally to the "death" of a body of water.

Measurement range: 1 - 80 mg/L of NO₃

Nitrite (NO₂)

Nitrite is a preliminary stage of nitrate, the only difference being one oxygen atom (O). Nitrite is an indicator of heavy contamination of a body of water. In large quantities, nitrite can pose a danger to humans, particularly infants, since it impedes oxygen flow in the blood (cyanosis).

Measurement range : 0.02 - 1.0 mg/L of NO₂

pH-value

The pH value is a measure of the alkalinity or acidity of water. On the pH scale where a pH of 0 is strongly acidic, a pH of 7 is neutral and a pH of 14 is strongly alkaline, our drinking water should have a pH value between 6.5 to 8.5. It is interesting to take a pH reading at some time for example for soap solutions, vinegar and mineral waters.

Measurement range: 5.0 – 9.0

Phosphate (PO₄)

Phosphate can enter the ground water from fertilisers and washing and cleaning sub-stances containing phosphate. Up to now phosphate has not displayed any harmful effects on health, although it promotes the growth of plants and, in high concentrations, can lead to an imbalance in a body of water.

Measurement range: 0.5 – 6. mg/L PO₄

Cat. No.	Test	Product	Measuring
37557	Oekotest Water Laboratory	Original case	Case with tests for Ammonium, Nitrate, Nitrite, Phosphate, pH-value and Total Hardness, colour chart and reaction tubes 50-60 tests/parameter
37543	Oekotest Water Laboratory	Original Case	Contains nitrate (1-50mg/L), and phosphate (0.02-0.4mg/L) with lower measuring range. Suitable for water with good quality.
37558	Oekotest Water Laboratory	Refill pack for Cat. No. 37557	Reagents for Ammonium, Nitrate, Nitrite, Phosphate, pH-value and Total Hardness testing
37541	Oekotest reaction tubes	Refill pack tubes for Cat. No. 37557	1 pc/parameter of 37557
37598	Oekotest Total Hardness	Single parameter refill for Cat. No. 37557	Suitable for 50-60 tests
37599	Oekotest Nitrate	Refill pack for Cat. No. 37557	Suitable for 50-60 tests
37606	Oekotest Nitrite	Refill pack for Cat. No. 37557	Suitable for 50-60 tests
37607	Oekotest Phosphate	Refill pack for Cat. No. 37557	Suitable for 50-60 tests
37608	Oekotest pH-value	Refill pack for Cat. No. 37557	Suitable for 50-60 tests
37595	Oekotest Ammonium	Refill pack for Cat. No. 37557	Suitable for 50-60 tests
37574	Oekotest Total Hardness	Refill pack for Cat. No. 37557	250 mL reagent
37555	Oekotest pH-value	Refill pack for Cat. No 37557	100 mL reagent

Table AQUANAL® Oekotest Water Laboratory Product Information

Contact

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