

MINIKIT

Accurate and easy to handle rapid tests

The methods

The MINIKITS are designed for rapid water testing. Most MINIKITS are based on titrimetric methods.

Tablet count method

In the tablet count method, the liquid titration solution and indicator are replaced by AQUALYTIC® tablet reagents. A specific number of tablets is added to a defined sample volume until a chemically induced colour change takes place. The concentration of the parameter being measured is calculated from the number of tablets required. The measuring range can be expanded by varying the sample volume.

Speed test

The speed test is based on reverse titration. After adding a reagent tablet to a calibrated test tube, the water sample is added slowly until the colour of the solution changes (e.g. from red to blue). The user can then obtain the result from the liquid level.

Yes/No test

A Yes/No test tells the user whether a specific ingredient is present in the water and/or if its concentration is higher or lower than a defined level.

Turbidity method

A two-section calibrated test tube is filled with the water sample and a reagent tablet added. The reagent creates a level of turbidity that is proportional to the concentration of the parameter being measured. The inner tube, which has a black dot on its base, is lowered until the dot is obscured by the turbidity. The result is read off from the water level in the inner tube.

Analysis	Type	Range	Methods				Order code
			Tablet Count	Speed Test	Yes/No Test	Turbidity	
Alkalinity Total	AF 444	20 - 800 mg/l CaCO ₃ ≅ 0.4 - 16 mmol/l		■			414440
Alkalinity Caustic/P	AF 415	20 - 500 mg/l CaCO ₃	■				414150
Alkalinity, P	AF 414	20 - 500 mg/l CaCO ₃	■				414140
Alkalinity, Total (M)	AF 413	10 - 500 mg/l CaCO ₃ ≅ 0.1 - 5 mmol/l	■				414130
Calcium Hardness	AF 446	20- 800 mg/l CaCO ₃ ≅ 0.4 - 16 mmol/l		■			414460
Calcium Hardness	AF 416	10- 500 mg/l CaCO ₃ ≅ 0.1 - 5 mmol/l	■				414160
Chloride	AF 418	5 - 5000 mg/l Cl	■				414180
Cleaning Acid Strength	AF 410	0.75-10% acid	■				414100
Cyanuric Acid	AF 422	20 - 200 mg/l				■	414220
Hardness Total (very low range)	AF 426	1 - 10 mg/l CaCO ₃ ≅ 0.01 - 0.1 mmol/l	■				414260
Hardness Total (low range)	AF 425	1 - 50 mg/l CaCO ₃ ≅ 0.01 - 0.5 mmol/l	■				414250
Hardness Total (Yes/No)	AF 423	Limit 4 mg/l, 8 mg/l or 20 mg/l CaCO ₃ ≅ 0.04 or 0.08 or 0.2 mmol/l				■	414230
Hardness Total	AF 445	20 - 800 mg/l CaCO ₃ ≅ 0.4 - 16 mmol/l		■			414450
Hardness Total	AF 424	5 - 500 mg/l CaCO ₃ ≅ 0.05 - 5 mmol/l	■				414240
Nitrite	AF 427	70 -1500 mg/l NaNO ₂	■				414270
Organo-Phosphonate	AF 411	1 - 20 mg/l active O-P	■				414110
QAC (Quaternary Ammonium Comp.)	AF 417	0 - 500 mg/l active QAC Limit 200 mg/l (Yes/No)	■			■	414170
Sulphate (low range)	AF 432	20 - 200 mg/l Na ₂ SO ₄	■				414320
Sulphate	AF 431	40 - 200 mg/l SO ₄ (40 - 4000 mg/l by dilution)				■	414310
Sulphite (low range)	AF 434	2 - 50 mg/l Na ₂ SO ₃	■				414340
Sulphite (high range)	AF 435	20 - 500 mg/l Na ₂ SO ₃	■				414350
Tannin Index	AF 436	2 - 20 units	■				414360

*BW: Boiler Water



Reagent	Order code	Quantity
ALK-TEST	4515570BT	100
ALKALINITY-P-Tablets	4515101BT	250
ALKALINITY-P (BaCl ₂)-Tablets	4515110	100
ALKALINITY-P-Tablets	4515101	250
TOTAL ALKALINITY-tablets	4515321	250
ALKALINITY-P (BaCl ₂)-Tablets	4515110	100
CAL-TEST	4515580	100
CALCIUM HARDNESS	4515191BT	250
CHLORIDE	4515131	250
ACID CONCENTRATION	505420	100
CyA-TEST	4511370BT	100
HARDNESS VLR	4515351BT	250
HARDNESS LR (BW)*	4515171BT	250
HARDNESS YES / NO	4515361BT	250
T HARDNESS-TEST	4515590	100
TOTAL HARDNESS	4515161BT	250
NITRITE No. 1	4515201	250
NITRITE No. 2	4515211BT	250
ORGANO-PHOSPHONATE No. 2	466351	100 ml
ORGANO-PHOSPHONATE No. 1	4512961BT	250
QAC-Test	4515410	100
	4515411	250
SULFATE No. 1	4515221	250
SULFATE No. 2	4515231	250
SULFATE T	4515451BT	250
SULFITE No. 1	4515271BT	250
SULFITE No. 2 HR	4515281BT	250
SULFITE No. 2 LR (BW)*	4515331BT	250
TANNIN No. 1	503500	100
TANNIN No. 2	503511	250

Material safety data sheets: www.aqualytic.de