

# Reagents from A to Z - for every application the right test kit

Depending on the application, there are a variety of test kits available for routine investigations. Photometers and test kits together form a system in which each is coordinated with the other depending on optics and the wavelength used, and which offers various advantages:

For use with in-the-field photometers, test kits must be simple: The energy-efficient LED optics facilitate the monitoring process via the use of often simpler and more cost-effective test kits, for example, for a powder test. In the laboratory, on the other hand, the elaborate instrument technology with barcodes and the highest level of optical sensitivity is also mirrored in the highly-precise test kits available: through the use of barcodes, lot certificates and quality assurance support.

The reagent offering is continuously expanding with the development of new tests and inclusion of existing tests in the photometer offering. Just as important as selecting the right reagent is understanding that the instrument technology may impact the test range, depending on light source and optics. For example, LED photometers typically have a smaller measurement range vs. other light sources for the same test.

## Reagents for routine tests

- **Quick, reliable, cost-effective**
- **The right test for every application**
- **Guaranteed results through AQA/IOC**



## Measure correctly

Most errors result from the selection of the incorrect measurement range: Measurement tolerance increases closer to the upper and lower ends of the

measurement range. This is particularly significant in the lower range. Lot certificates show borders and key procedural data. So, once again, please measure with the right test kit!

## Test type overview

Labeling: ● = round cuvette test   TC = cuvette test   TP = powder test   ■ = reagent tests

Type	Cuvette test	Reagent test	Powder test
<b>Lot certificate</b>	With certificate (●) for the highest precision Without certificate (TC) for very good precision	With certificate (■) for the highest precision	Without certificate (TP), precise
<b>Test recognition</b>	Barcode (●) and/or method selection	Barcode and/or method selection	Method selection, barcode optional (external)
<b>Advantages:</b>	Reaction cuvette with barcode or method selection, 16 mm: Sample addition, insertion, measurement and reading with minimum work effort AQA support for stored results	Large measurement range for 10, 20 and 50 mm rectangular cuvettes, recording of the smallest concentrations in rectangular cuvettes up to 50 mm AQA support for stored results	Lowest pack size, simple test procedure, few utensils, for cuvettes in Ø 16 and 28 mm
<b>Area of application:</b>	Laboratory, infrequent work, or ease with very large sample sizes	Laboratory, low concentrations, routine, cost-effective work with very large sample sizes	Portable field measurements, screening and monitoring tasks

# Reagents

Model	Measurement range (max. specification)	Cuvette (mm) <sup>1)</sup> depending on photometer	ml	Order No.	Total	CC	SW	photoLab®			pHotoFlex®
								S6	S12	6000/7000	
<b>Aluminum Al</b>											
● 00594	0.02 - 0.50 mg/l Al	16	6	252068	25	-	✓	-	●	●	-
■ 14825	0.020 - 1.20 mg/l Al	10, 20, 50, 28	5	250425	300	✓	✓	-	●	●	●
TP AI-1 TP	0.002 - 0.250 mg/l Al	28	20	251400	100	-	-	-	-	-	●
<b>Ammonia NH<sub>3</sub> (dependent on pH value and temperature)</b>											
● 14544	0.09 - 3.00 mg/l NH <sub>3</sub> (pH 8.5/25 °C) 0.5 - 16.0 mg/l NH <sub>4</sub> -N	16	0.5	250329	25	✓	✓	-	-	●	●
■ 14752/1	0.002 - 0.730 mg/l NH <sub>3</sub> (pH 8.5/25 °C) 0.010 - 3.00 mg/l NH <sub>4</sub> -N	10, 20, 50, 16, 28	5	250426	500	✓	✓	-	-	●	●
■ 14752/2	0.002 - 0.730 mg/l NH <sub>3</sub> (pH 8.5/25 °C) 0.010 - 3.00 mg/l NH <sub>4</sub> -N	10, 20, 50, 16, 28	5	252081	250	✓	✓	-	-	●	●
TP NH <sub>4</sub> -1 TP	0.01 - 0.50 mg/l NH <sub>4</sub> -N 0.013 - 0.64 mg/l NH <sub>4</sub> <sup>+</sup>	28	10	251408	200	-	-	-	-	-	●
TC NH <sub>4</sub> -2 TC (LR)	0.02 - 2.50 mg/l NH <sub>4</sub> -N 0.03 - 3.20 mg/l NH <sub>4</sub> <sup>+</sup>	16	2	251997	50	-	-	-	-	-	●
TC NH <sub>4</sub> -3 TC (HR)	0.4 - 50.0 mg/l NH <sub>4</sub> -N 0.5 - 64.4 mg/l NH <sub>4</sub> <sup>+</sup>	16	0.1	251998	50	-	-	-	-	-	●
<b>Ammonium NH<sub>4</sub></b>											
● 14739	0.010 - 2,000 mg/l NH <sub>4</sub> -N 0.01 - 2.58 mg/l NH <sub>4</sub> <sup>+</sup>	16	5	250495	25	✓	-	●	●	●	-
● A6/25	0.20 - 8.00 mg/l NH <sub>4</sub> -N 0.26 - 10.3 mg/l NH <sub>4</sub> <sup>+</sup>	16	1	252072	25	✓	✓	●	●	●	●
● 14544	0.5 - 16.0 mg/l NH <sub>4</sub> -N 0.6 - 20.6 mg/l NH <sub>4</sub> <sup>+</sup>	16	0.5	250329	25	✓	✓	●	●	●	●
● 14559	4.0 - 80.0 mg/l NH <sub>4</sub> -N 5.2 - 103.0 mg/l NH <sub>4</sub> <sup>+</sup>	16	0.1	250424	25	✓	✓	●	●	●	-
■ 14752/1	0.010 - 3.00 mg/l NH <sub>4</sub> -N 0.013 - 3.86 mg/l NH <sub>4</sub> <sup>+</sup>	10, 20, 50, 16, 28	5	250426	500	✓	✓	-	●	●	●
■ 14752/2	0.010 - 3.00 mg/l NH <sub>4</sub> -N 0.013 - 3.86 mg/l NH <sub>4</sub> <sup>+</sup>	10, 20, 50, 16, 28	5	252081	250	✓	✓	-	●	●	●
■ 00683	2.0 - 150 mg/l NH <sub>4</sub> -N 2.6 - 193 mg/l NH <sub>4</sub> <sup>+</sup>	10	0.1, 0.2	252027	100	✓	✓	-	●	●	-
TP NH <sub>4</sub> -1 TP	0.01 - 0.50 mg/l NH <sub>4</sub> -N 0.013 - 0.64 mg/l NH <sub>4</sub> <sup>+</sup>	20, 28	10	251408	200	-	-	-	-	●	●
TC NH <sub>4</sub> -2 TC (LR)	0.02 - 2.50 mg/l NH <sub>4</sub> -N 0.03 - 3.20 mg/l NH <sub>4</sub> <sup>+</sup>	16	2	251997	50	-	-	-	-	●	●
TC NH <sub>4</sub> -3 TC (HR)	0.4 - 50.0 mg/l NH <sub>4</sub> -N 0.5 - 64.4 mg/l NH <sub>4</sub> <sup>+</sup>	16	0.1	251998	50	-	-	-	-	●	●
<b>Antimony:</b> request application documents											
<b>AOX</b>											
● 00675	0.05-2,50 mg/l AOX	16		252023	25	-	-	●	●	●	-
<b>Arsenic</b>											
■ 01747	0.001 - 0.100 mg/l As	10, 20, 16	350	252063	30	-	-	-	●	●	●
in addition: AS absorption pipe required				252066							
<b>Ascorbic acid:</b> request application documents											
<ul style="list-style-type: none"> <li>● = round cuvette test; TC = cuvette test; CC = CombiCheck; ml = sample volume (photoLab®); 1) Ø 16, 28</li> <li>■ = reagent tests; TP = powder test; SW = sea water; □ 10, 20, 50</li> </ul>											

Model	Measurement range (max. specification)	Cuvette (mm) <sup>1)</sup> depending on photometer	ml	Order No.	Total	CC	SW	photoLab®			pHotoFlex®
								S6	S12	6000/7000	
<b>BOD (Biochemical Oxygen Demand)</b>											
● 00687	0.5 - 3000 mg/l BOD	16	-	252028	50	-	✓	●	●	●	-
<b>Boron B</b>											
● 00826	0.05 - 2.00 mg/l B	16	4	252041	25	-	✓	-	●	●	-
■ 14839	0.050 - 0.800 mg/l B	10	5	250427	60	-	-	-	●	●	-
<b>Bromate Br<sub>2</sub></b>											
■ 00605	0.020 - 10.00 mg/l Br <sub>2</sub>	10, 20, 50	10	252014	200	-	-	-	●	●	-
<b>Bromate: request application documents</b>											
<b>Cadmium Cd</b>											
● 14834	0.025 - 1.000 mg/l Cd	16	5	250314	25	✓	-	●	●	●	●
■ 01745	0.002- 0.500 mg/l Cd	10, 20, 50, 28	10	252051	55	-	-	-	●	●	●
<b>Calcium Ca</b>											
■ 14815	1.0 - 160 mg/l Ca	10, 20, 16, 28	0.1	250428	100	-	✓	-	●	●	●
● 00858	10 - 250 mg/l Ca	16	1	252047	25	-	-	●	●	●	-
<b>Carbon dioxide CO<sub>2</sub> (dependent on pH value and temperature)</b>											
● / ■ 01758	14 - 275 mg/l CO <sub>2</sub> (pH 6.5/18.6 °C) KS <sub>4,3</sub> 0.40 - 8.00 mmol/l	16	1	252087	120	-	-	-	-	●	●
<b>Chloride Cl</b>											
● 14730	5 - 125 mg/l Cl	16	1	250353	25	✓	✓	●	●	●	●
■ 14897/1	2.5 - 250 mg/l Cl	10, 16	1, 5	250491	100	✓	✓	-	●	●	●
■ 14897/2	2.5 - 250 mg/l Cl	10, 16	1, 5	252082	175	✓	✓	-	●	●	●
<b>Chlorine Cl<sub>2</sub></b>											
	(f = free, t = total)	200* = 100 Cl <sub>2</sub> free + 100 Cl <sub>2</sub> total									
● 00595	0.03 - 6.00 Cl <sub>2</sub> , f	16	5	250419	200	-	-	●	●	●	●
● 00597	0.03 - 6.00 Cl <sub>2</sub> , f+t	16	5	250420	200*	-	-	●	●	●	●
■ 00598/1	0.010 - 6.00 Cl <sub>2</sub> , f	10, 20, 50	10	252010	1200	-	-	-	●	●	-
■ 00598/2	0.010 - 6.00 Cl <sub>2</sub> , f	10, 20, 50	10	252011	200	-	-	-	●	●	-
■ 00599	0.010 - 6.00 Cl <sub>2</sub> , f+t	10, 20, 50	10	252012	200*	-	-	-	●	●	-
■ 00602/1	0.010 - 6.00 Cl <sub>2</sub> , t	10, 20, 50	10	252013	200	-	-	-	●	●	-
■ 00602/2	0.010 - 6.00 Cl <sub>2</sub> , t	10, 20, 50	10	252055	1200	-	-	-	●	●	-
TP Cl <sub>2</sub> -1 TP	0.02 - 2.00 mg/l Cl <sub>2</sub> , f	20, 28	10	251401	100	-	-	-	-	●	●
TP Cl <sub>2</sub> -2 TP	0.5 - 5.0 mg/l Cl <sub>2</sub> , f	20, 28	25	251402	100	-	-	-	-	●	●
TP Cl <sub>2</sub> -3 TP	0.02 - 2.00 mg/l Cl <sub>2</sub> , t	20, 28	10	251414	100	-	-	-	-	●	●
TP Cl <sub>2</sub> -4 TP	0.5 - 5.0 mg/l Cl <sub>2</sub> , t	20, 28	10 + 15 H <sub>2</sub> O	251415	100	-	-	-	-	●	●
<b>Chlorine dioxide ClO<sub>2</sub></b>											
■ 00608	0.020 - 10.00 mg/l ClO <sub>2</sub>	10, 20, 50, 16, 28	10	252017	200	-	-	-	●	●	●
<b>Chlorine fluid test (free and total) Cl<sub>2</sub></b>											
● / ■	0.010 - 6.00 Cl <sub>2</sub>	16, 50	10			-	-	●	●	●	-
	00086 Reagent Cl <sub>2</sub> -1			252077	200						
	00087 Reagent Cl <sub>2</sub> -2			252078	400						

● = round cuvette test;  
■ = reagent tests;

TC = cuvette test;  
TP = powder test;

CC = CombiCheck;  
SW = sea water;

ml = sample volume (photoLab®);  
1) Ø 16, 28  
□ 10, 20, 50

Model	Measurement range (max. specification)	Cuvette (mm) <sup>1)</sup> depending on photometer	ml	Order No.	Total	CC	SW	photoLab®					
								S6	S12	6000/7000	pHotoFlex®		
00088 Reagent Cl <sub>2</sub> -3				252079	600								
00089 Accessories Cl <sub>2</sub> (empty cuvettes etc.)				252080	25								
<b>Chromate (chrome VI and total chrome) Cr</b>													
● 14552	0.05 - 2.00 mg/l Cr	16	10	250341	25	-	✓	●	●	●	●	●	●
■ 14758	0.01 - 3.00 mg/l Cr	10, 20, 50	5	250433	250	-	✓	-	●	●	●	-	-
<b>Chrome bath CrO<sub>3</sub>: see reagent-free tests</b>													
<b>COD Chemical Oxygen Demand</b>													
● 14560	4.0 - 40.0 mg/l COD (148 °C, 2 h)	16	3	250303	25	✓	-	●	●	●	●	-	-
● 01796	5.0 - 80.0 mg/l COD (148 °C, 2 h)	16	2	252092	25	✓	-	●	●	●	●	-	-
● C3/25	10 - 150 mg/l COD (148 °C, 2 h)	16	3	252070	25	✓	-	●	●	●	●	●	●
● 14895	15 - 300 mg/l COD (148 °C, 2 h)	16	2	250359	25	✓	-	●	●	●	●	●	●
● 14690	50 - 500 mg/l COD (148 °C, 2 h)	16	2	250304	25	✓	-	●	●	●	●	●	●
● C4/25	25 - 1500 mg/l COD (148 °C, 2 h)	16	3	252071	25	✓	-	●	●	●	●	●	●
● 14691	300 - 3500 mg/l COD (148 °C, 2 h)	16	2	250351	25	✓	-	●	●	●	●	●	●
● 14555	500 - 10000 mg/l COD (148 °C, 2 h)	16	1	250309	25	✓	-	●	●	●	●	●	●
● 01797	5000 - 90000 mg/l COD (148 °C, 2 h)	16	0.1	252093	25	-	-	●	●	●	●	●	●
TC	COD1 TC (LR)	3 - 150 mg/l COD (148 °C, 2 h)	16	251990	25	-	-	-	-	●	●	●	●
TC	COD2 TC (MR)	20 - 1500 mg/l COD (148 °C, 2 h)	16	251991	25	-	-	-	-	●	●	●	●
TC	COD3 TC (HR)	200 - 15000 mg/l COD (148°C, 2h)	16	251992	25	-	-	-	-	●	●	●	●
<b>COD Chemical Oxygen Demand (quicksilver-free, chloride is also recorded and/or disrupts in higher concentrations)</b>													
● 09772	10 - 150 mg/l COD (148 °C, 2h)	16	2	250301	25	✓	-	●	●	●	●	●	●
● 09773	100 - 1500 mg/l COD (148 °C, 2h)	16	2	250306	25	✓	-	●	●	●	●	●	●
<b>Copper bath Cu: see reagent-free tests</b>													
<b>Copper Cu</b>													
● 14553	0.05 - 8.00 mg/l Cu	16	5	250408	25	-	✓	●	●	●	●	●	●
■ 14767	0.02 - 6.00 mg/l Cu	10, 20, 50, 16, 28	10	250441	250	-	✓	-	●	●	●	●	●
TP	Cu-1 TP	0.04 - 5.00 mg/l Cu	20, 28	251403	100	-	✓	-	-	●	●	●	●
<b>Cyanide (free and easily released cyanide) CN</b>													
● 14561	0.010 - 0.500 mg/l CN	16	5	250344	25	-	-	●	●	●	●	●	●
■ 09701	0.002 - 0.500 mg/l CN	10, 20, 50	5, 10	250492	100	-	-	-	●	●	●	-	-

● = round cuvette test;  
■ = reagent tests;

TC = cuvette test;  
TP = powder test;

CC = CombiCheck;  
SW = sea water;

ml = sample volume (photoLab®);  
1) Ø 16, 28  
□ 10, 20, 50



Model	Measurement range (max. specification)	Cuvette (mm)1) depending on photometer	ml	Order No.	Total	CC	SW	photoLab®			pHotoFlex®
								S6	S12	6000/7000	
<b>Magnesium Mg</b>											
● 00815	5.0 - 75.0 mg/l Mg	16	1	252043	25	-	✓	●	●	●	●
<b>Manganese Mn</b>											
■ 14770/1	0.01 - 10.0 mg/l Mn	10, 20, 50, 16, 28	5	250442	500	✓	✓	-	●	●	●
■ 14770/2	0.01 - 10.0 mg/l Mn	10, 20, 50, 16, 28	5	252084	250	✓	✓	-	●	●	●
● 00816	0.10 - 5.00 mg/l Mn	16	7	252035	25	✓	-	●	●	●	●
TP Mn-1 TP	0.2 - 20.0 mg/l Mn	20, 28	10	251406	100	-	-	-	-	●	●
TP Mn-2 TP	0.007 - 0.700 mg/l Mn	20, 28	10	251417	100	-	-	-	-	●	●
<b>Molybdenum Mo</b>											
● 00860	0.02 - 1.00 mg/l Mo	16	10	252040	25	-	-	-	●	●	●
TP Mo-1 TP	0.3 - 35.0 mg/l Mo	20, 28	10	251407	100	-	-	-	-	●	●
TP Mo-2 TP	0.3 - 40.0 mg/l Mo	20, 28	25	251418	100	-	-	-	-	●	●
<b>Monochloramine</b>											
■ 01632	0.05 - 10.0 mg/l Cl <sub>2</sub> , t	10, 20, 50	10	252057	150	-	-	-	●	●	-
<b>Sodium Na</b>											
● 00885	10 - 300 mg/l Na	16	0.5	252044	25	-	-	●	●	●	●
<b>Nickel bath: see reagent-free tests</b>											
<b>Nickel Ni</b>											
● 14554	0.10 - 6.00 mg/l Ni	16	5	250409	25	✓	-	●	●	●	●
■ 14785	0.02 - 5.00 mg/l Ni	10, 20, 50, 28	5	250443	250	✓	-	-	●	●	●
<b>Nitrate NO<sub>3</sub></b>											
● 14556	0.10 - 3.00 mg/l NO <sub>3</sub> -N 0.4 - 13.3 mg/l NO <sub>3</sub>	16	2	250411	25	✓	✓	-	●	●	●
● N2/25	0.5 - 25.0 mg/l NO <sub>3</sub> -N 2.2 - 110.7 mg/l NO <sub>3</sub>	16	1	252073	25	✓	-	●	●	●	-
● 14542	0.5 - 18.0 mg/l NO <sub>3</sub> -N 2.2 - 79.7 mg/l NO <sub>3</sub>	16	1.5	250410	25	✓	-	●	●	●	●
● 14764	1.0 - 50.0 mg/l NO <sub>3</sub> -N 4 - 221 mg/l NO <sub>3</sub>	16	0.5	250347	25	✓	-	●	●	●	-
● 00614	23 - 225 mg/l NO <sub>3</sub> -N 102 - 996 mg/l NO <sub>3</sub>	16	0.1	252019	25	-	-	●	●	●	-
■ 14942	0.2 - 17.0 mg/l NO <sub>3</sub> -N 0.9 - 75.3 mg/l NO <sub>3</sub>	10, 16	1	250422	50	✓	✓	-	●	●	●
■ 14773	0.2 - 20.0 mg/l NO <sub>3</sub> -N 0.9 - 88.5 mg/l NO <sub>3</sub>	10, 20	1.5, 3	250444	100	✓	-	-	●	●	-
■ 09713/1	0.10 - 25.0 mg/l NO <sub>3</sub> -N 0.40 - 110.7 mg/l NO <sub>3</sub>	10, 20, 50	0.5	250421	90	✓	-	-	●	●	-

● = round cuvette test;  
■ = reagent tests;

TC = cuvette test;  
TP = powder test;

CC = CombiCheck;  
SW = sea water;

ml = sample volume (photoLab®);  
1) Ø 16, 28  
□ 10, 20, 50

Model	Measurement range (max. specification)	Cuvette (mm)1) depending on photometer	ml	Order No.	Total	CC	SW	photoLab®			pHotoFlex®
								S6	S12	6000/7000	
■ 09713/2	0.10 - 25.0 mg/l NO <sub>3</sub> -N 0.40 - 110.7 mg/l NO <sub>3</sub>	10, 20, 50	0.5	252085	250	✓	-	-	●	●	-
TC NO <sub>3</sub> -1 TC	0.2 - 30.0 mg/l NO <sub>3</sub> -N 1 - 133.0 mg/l NO <sub>3</sub>	16	1	251993	50	-	-	-	-	●	●
<b>Nitrite NO<sub>2</sub></b>											
● N5/25	0.010 - 0.700 mg/l NO <sub>2</sub> -N 2.2 - 2.30 mg/l NO <sub>2</sub>	16	5	252074	25	-	✓	-	●	●	●
■ 14776/1	0.002 - 1.00 mg/l NO <sub>2</sub> -N 0.007 - 3.28 mg/l NO <sub>2</sub>	10, 20, 50, 16, 28	5	250445	1000	-	✓	-	●	●	●
■ 14776/2	0.002 - 1,000 mg/l NO <sub>2</sub> -N 0.007 - 3.28 mg/l NO <sub>2</sub>	10, 20, 50, 16, 28	5	250440	335	-	✓	-	●	●	●
● 00609	1.0 - 90.0 mg/l NO <sub>2</sub> -N 3.3 - 295.2 mg/l NO <sub>2</sub>	16	8	252069	25	-	-	-	●	●	-
TP NO <sub>2</sub> -1 TP	0.002 - 0.300 mg/l NO <sub>2</sub> -N 0.007 - 0.985 mg/l NO <sub>2</sub>	20, 28	10	251409	100	-	-	-	-	●	●
TC NO <sub>2</sub> -2 TC	0.03 - 0.60 mg/l NO <sub>2</sub> -N (LR) 0.10 - 1.97 mg/l NO <sub>2</sub> (LR) 0.30 - 3.00 mg/l NO <sub>2</sub> -N (HR) 0.99 - 9.85 mg/l NO <sub>2</sub> (HR)	16 16	2 0.5	251994	24	-	-	-	-	●	●

**Nitrogen (total):** see total nitrogen N<sub>ges</sub>

**Organic acids (volatile)**

● 01749	50-3000 mg/l	round	0.5	252096	25	-	-	-	●	●	●	-
● / ■ 01809	50-3000 mg/l (100 °C, 15 min.)	16	0.5	252095	100	-	-	-	●	●	●	-

**Oxygen capacity up to pH 4.3**

● / ■ 01758	KS <sub>4,3</sub> 0.40 - 8.00 mmol/l 20 - 400 mg/l CaCO <sub>3</sub>	16	1	252087	120	-	-	-	●	●	●	●
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**Oxygen O<sub>2</sub>**

● 14694	0.5 - 12.0 mg/l O <sub>2</sub>	16	-	250403	25	-	-	-	●	●	●	-
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**Ozone O<sub>3</sub>**

■ 00607/1	0.010 - 4.00 mg/l O <sub>3</sub>	10, 20, 50, 16, 28	10	252016	200	-	-	-	●	●	●
■ 00607/2	0.010 - 4.00 mg/l O <sub>3</sub>	10, 20, 50, 16, 28	10	252054	1200	-	-	-	●	●	●

**pH**

● 01744	pH 6.4 - 8.8	16	10	252050	280	-	✓	-	●	●	●	-
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**Phenol C<sub>6</sub>H<sub>5</sub>OH**

■ 00856	0.002 - 0.100 mg/l C <sub>6</sub> H <sub>5</sub> OH 0.025 - 5.00 mg/l C <sub>6</sub> H <sub>5</sub> OH	20 10, 20, 50	200 10	252058	50 250	-	✓	-	●	●	-
● 14551	0.10 - 2.50 mg/l C <sub>6</sub> H <sub>5</sub> OH	16	10	250412	25	-	✓	-	●	●	●

**Phosphate PO<sub>4</sub>**

● P6/25	0.05 - 5.00 mg/l PO <sub>4</sub> -P 0.05 - 5.0 mg/l P <sub>ges</sub> 0.2 - 15.3 mg/l PO <sub>4</sub>	16	5	252075	25	✓	✓	-	●	●	●	●
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● = round cuvette test; ■ = reagent tests; TC = cuvette test; TP = powder test; CC = CombiCheck; SW = sea water; ml = sample volume (photoLab®); 1) Ø 16, 28  
□ 10, 20, 50

Model	Measurement range (max. specification)	Cuvette (mm)1) depending on photometer	ml	Order No.	Total	CC	SW	photoLab®			pPhotoFlex®
								S6	S12	6000/7000	
● P7/25	0.5 - 25.0 mg/l PO <sub>4</sub> -P 0.5 - 25.0 mg/l P <sub>ges</sub> 1.5 - 76.7 mg/l PO <sub>4</sub>	16	1	252076	25	✓	✓	●	●	●	●
● 14546	0.5 - 25.0 mg/l PO <sub>4</sub> -P 1.5 - 76.7 mg/l PO <sub>4</sub>	16	5	250413	25	✓	✓	●	●	●	●
● 00616	3.0 - 100.0 mg/l PO <sub>4</sub> -P 9.0 - 307.0 mg/l PO <sub>4</sub>	16	0.2	252021	25	-	✓	●	●	●	●
■ 14848/1	0.005 - 5.00 mg/l PO <sub>4</sub> -P 0.005 - 5.00 mg/l PO <sub>4</sub> -P <sub>ges</sub> 0.020 - 15.3 mg/l PO <sub>4</sub>	10, 20, 50, 16, 28	5	250446	420	✓	✓	-	●	●	●
■ 14848/2	0.005 - 5.00 mg/l PO <sub>4</sub> -P 0.005 - 5.00 mg/l PO <sub>4</sub> -P <sub>ges</sub> 0.020 - 15.3 mg/l PO <sub>4</sub>	10, 20, 50, 16, 28	5	252086	220	✓	✓	-	●	●	●
■ 14842	0.5 - 30.0 mg/l PO <sub>4</sub> -P 1.5 - 92.0 mg/l PO <sub>4</sub>	10, 20	5	250447	400	-	✓	-	●	●	-
■ 00798	1.0 - 100.0 mg/l PO <sub>4</sub> -P 3.0 - 307.0 mg/l PO <sub>4</sub>	10, 16	8	252045	100	-	✓	-	●	●	●
TP PO <sub>4</sub> -1 TP	0.007 - 0.800 mg/l PO <sub>4</sub> -P 0.02 - 2.50 mg/l PO <sub>4</sub>	20, 28	10	251410	100	-	-	-	-	●	●
TC PO <sub>4</sub> -2 TC	0.02 - 1.63 mg/l PO <sub>4</sub> -P 0.06 - 5.00 mg/l PO <sub>4</sub>	16	5	251989	50	-	-	-	-	●	●
TC PO <sub>4</sub> -3 TC	0.02 - 1.10 mg/l PO <sub>4</sub> -P 0.02 - 1.10 mg/l P <sub>ges</sub> (development, 100 °C) 0.06 - 3.37 mg/l PO <sub>4</sub>	16	5	251988	50	-	-	-	-	●	●
TC PO <sub>4</sub> -4 TC	0.02 - 1.10 mg/l PO <sub>4</sub> -P 0.02 - 1.10 mg/l P <sub>ges</sub> (development, 100 °C) 0.06 - 3.37 mg/l PO <sub>4</sub>	16	5	251987	50	-	-	-	-	●	●
<b>Potassium K</b>											
● 14562	5.0 - 50.0 mg/l K	16	2	250407	25	-	✓	●	●	●	●
● 00615	30 - 300 mg/l K	16	0.5	252020	25	-	✓	●	●	●	●
<b>Reagent-free COD Chemical Oxygen Demand with OptRF:</b> see page 159											
<b>SAC</b> see reagent-free tests											
<b>Silica:</b> see silicon Si											
<b>Silicon/silica Si</b>											
■ 14794	0.005 - 5.00 mg/l Si 0.01 - 10.70 mg/l SiO <sub>2</sub>	10, 20, 50, 16, 28	5	250438	300	-	✓	-	●	●	●
■ 00857	0.5 - 500 mg/l Si 1.1 - 1070 mg/l SiO <sub>2</sub>	10, 16	4/0.5	252046	100	-	-	-	●	●	●
TP Si-1 TP (LR)	0.005 - 0.748 mg/l Si 0.01 - 1.60 SiO <sub>2</sub>	20, 28	10	251411	100	-	✓	-	-	●	●
TP Si-2 TP (HR)	0.3 - 46.7 mg/l Si 0.7 - 100 mg/l SiO <sub>2</sub>	20, 16, 28	10	251412	100	-	✓	-	-	●	●
TP Si-3 TP (HR)	0.5 - 93 mg/l Si 1 - 200 mg/l SiO <sub>2</sub>	20, 28	25	251422	100	-	✓	-	-	●	●

● = round cuvette test;  
■ = reagent tests;

TC = cuvette test;  
TP = powder test;

CC = CombiCheck;  
SW = sea water;

ml = sample volume (photoLab®);

1) Ø 16, 28  
□ 10, 20, 50





