

Photometers

Reagents from A – Z

Reagents –

The right Test for every Application



- Convenient
- Precise
- Assured quality by AQA/IQC

A wide choice of tests is available for routine analysis in different applications. Depending on the optical system and the wavelength employed, photometer and test set make up a matched system with different specific advantages.

For use with portable photometers, test sets should first of all be straightforward. The low consumption LED optics allow the use of easy-to-use and cost-effective test sets, e.g. powder tests. In the laboratory, instruments with bar code and utmost optical sensitivity suggest the use of high-precision tests with bar code reader, certificate and quality assurance support.

WTW continues to expand our reagent offering. Not only are new tests developed, but the usability of tests with different instruments is continuously expanded. Due to the different photometer optics, one and the same test may yield different measuring ranges in different instruments. LED photometers usually have smaller measuring ranges for the same test.

Taking measurements correctly

Every concentration determination is accurate only within the linear absorption range. At the limits of the measuring range you have to expect deviations within the given tolerance. Therefore it may be well worth to repeat the measurement using a test set with a better suited measuring range.

Test Types Overview

Type	Cuvette test	Reagents test	Powder test
Certificate	With certificate (●) for optimum precision Without certificate (TC) for very good precision	With certificate (■) for optimum precision	Without certificate (TP), precise
Test identification	Bar code and/or method selection	Bar code and/or method selection	Method selection, bar code optional
Advantages:	Reaction cuvette with bar code or method selection, 16 mm: Sample adding, inserting, measuring and reading at minimum work, QA support for assured results	Large measuring range, recording of low concentrations in rectangular cuvettes up to 50 mm, QA support for assured results	Compact, straight forward procedure few paraphernalia
Application area:	Laboratory, infrequent work or very large sample throughput	Laboratory, low concentrations, cost-effective routine work with large sample throughput	Mobile measurements, screening and monitoring tasks

Reagents

	Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	CC	SW	photoLab®			photoFlex
									S6	S12	Spektral	
Acid Capacity up to pH 4.3												
●	01762/1	0.20-8.00 mmol/l 10 - 400 CaCO ₃	round 0.2, 1.0, 5.0	5	252 059	90	-	-	●	●	●	●
●	01762/2*	0.20-8.00 mmol/l 10 - 400 CaCO ₃	round 0.2, 1.0, 5.0	16		450	-	-	●	●	●	●
Ag Silver												
■	14831	0.25 - 3.00 mg/l Ag (total-Ag: 100 °C or 120 °C, 1 h) Digestion reagents are contained in the test set	10, 20	10	250 448	100	-	-	-	●	●	-
Al Aluminium												
●	00594*	0.02 - 0.50 mg/l Al	round	6.0 + 0.250		25	-	-	●	●	●	-
■	14825	0.020 - 1.20 mg/l Al	10, 20, 50, 28	5	250 425	300	✓	✓	-	●	●	●
TP	Al-1 TP	0.00 - 0.25 mg/l Al	28	20	251 400	100	-	-	-	-	-	●
Ammonium:												
see NH ₄												
Antimony:												
Please ask for application leaflets												
AOX												
●	00675	0.05-2.50 mg/l AOX	round	100	252 023	25	-	-	●	●	●	-
Arsenic												
■	01747	0.001 - 0.100 mg/l As	10, 20, 16, 28	350	252 063	30	-	-	-	●	●	●
<i>also required:</i> AS absorption tube					252 066	1						
Ascorbic acid:												
Please ask for application leaflets												
Au Gold												
●	14821	0.5 - 12.0 mg/l Au	10, 16	2	250 436	80	✓	✓	-	●	●	●
B Boron												
■	14839	0.050 - 0.800 mg/l B	10, 20	5	250 427	60	-	-	-	●	●	-
●	00826	0.05 - 2.00 mg/l B	round	4	252 041	25	-	✓	-	●	●	-
Br₂ Bromine												
■	00605	0.020 - 10 mg/l Br ₂	10, 20, 50	10	252 014	200	-	-	-	●	●	-
C₂H₅OH Alcohol (to be discontinued in course of 2006)												
●	14965	0.40 - 5.00 g/l Alcohol	round	0.2	252 031	25	-	-	●	●	●	-
C₆H₅OH Phenol												
■	00856	0.002 - 0.100 mg/l C ₆ H ₅ OH 0.025 - 5.000 mg/l C ₆ H ₅ OH	20 10, 20, 50	200 10	252 058	50 250	-	✓	-	●	●	-
●	14551	0.10 - 2.50 mg/l C ₆ H ₅ OH	round	10	250 412	25	-	✓	-	●	●	-
Ca Calcium												
■	14815	5 - 160 mg/l Ca	10, 20, 16, 28	0.1	250 428	100	-	✓	-	●	●	●
●	00858	10 - 250 mg/l Ca	round	1	252 047	25	-	-	●	●	●	-
Cd Cadmium												
●	14834	0.025 - 1.000 mg/l Cd	round	5	250 314	25	✓	-	●	●	●	●
■	01745	0.002- 0.500 mg/l Cd	10, 20, 50	10	252 051	55	-	-	-	●	●	-
Chromium plating bath:												
See reagent-free tests												
●	= Reaction cuvettes tests;		TC* = Cuvette test;		CC = CombiCheck test;		ml* = Sample volume;					
■	= Reagent tests;		TP* = Powder pillows;		SW = Sea water;		* = available Q3/2006					

Reagents from A – Z

							photoLab®					
	Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	CC	SW	S6	S12	Spektral	pPhotoFlex
Cl Chloride												
●	14730	5 - 125 mg/l Cl	round	1	250 353	25	✓	✓	●	●	●	●
■	14897	2.5 - 250 mg/l Cl	10	1, 5	250 491	100	✓	✓	-	●	●	●
Cl₂ Chlor												
●	00595	0.03 - 6.00 Cl ₂	round	5	250 419	200	-	-	●	●	●	●
●	00597	0.03 - 6.00 Cl ₂	round	5	250 420	200	-	-	●	●	●	●
■	00598/1	0.010 - 6.00 Cl ₂	10, 20, 50	10	252 010	1200	-	-	-	●	●	-
■	00598/2	0.010 - 6.00 Cl ₂	10, 20, 50	10	252 011	200	-	-	-	●	●	-
■	00599	0.010 - 6.00 Cl ₂	10, 20, 50	10	252 012	200	-	-	-	●	●	-
■	00602/1	0.010 - 6.00 Cl ₂	10, 20, 50	10	252 013	200	-	-	-	●	●	-
■	00602/2	0.010 - 6.00 Cl ₂	10, 20, 50	10	252 055	1200	-	-	-	●	●	-
■	14828	replaced by 00598, 00599, 00602										
■	14732	replaced by ClO ₂ 00608 and Ozone 00607										
TP	Cl-1 TP	0 - 2.00 mg/l Cl ₂ , free	round, 28	10	251 401	100	-	-	-	-	-	●
TP	Cl-2 TP	0.00 - 5.00 mg/l Cl ₂ , free	round, 28	25	251 402	100	-	-	-	-	-	●
TP	Cl-3 TP	0.00 - 2.00 mg/l Cl ₂ , total	28	25	251 414	100	-	-	-	-	-	●
ClO₂ Chlorine dioxide												
■	00608	0.020 - 10.00 mg/l ClO ₂	10, 20, 50, 28	10	252 017	150	-	-	-	●	●	●
■	14732	replaced by ClO ₂ 00608 and Ozone 00607										
ClO₂ Chlorine dioxide/Chlorine/Ozone												
■	14732	replaced by ClO ₂ 00608 and Ozone 00607										
CN Cyanid Cyanid (free and easily liberatable cyanide)												
●	14561	0.010 - 0.500 mg/l CN	round	5	250 344	25	-	-	●	●	●	●
■	09701	0.002 - 0.500 mg/l CN	10, 20, 50	5, 10	250 492	100	-	-	-	●	●	-
Copper plating bath:												
See reagent-free test												
Cr Chromate (chromium VI and total chromium)												
●	14552	0.05 - 2.00 mg/l Cr	round	10	250 341	25	-	✓	●	●	●	●
■	14758	0.01 - 3.00 mg/l Cr	10, 20, 50	5	250 433	250	-	✓	-	●	●	-
CrO₃ Chromium plating bath:												
See reagent-free tests												
Cu Copper												
●	14553	0.05 - 8.00 mg/l Cu	round	5	250 408	25	-	✓	●	●	●	●
■	14767	0.02 - 6.00 mg/l Cu	10, 20, 50, 16, 28	10	250 441	250	-	✓	-	●	●	●
TP	Cu-1 TP	0.00 - 5.00 mg/l Cu	28	10	251 403	100	-	-	-	-	-	●
Cu plating bath:												
See reagent-free tests												
Detergents:												
See Surfactants: anionic, cationic, nonionic												
F Fluoride												
●	14557	0.10 - 1.5 mg/l F	round	5	250 365	25	-	✓	-	●	●	●
■	14598	0.10 - 20.0 mg/l F	10	5 resp. 0.5	252 048	100	-	-	-	●	●	-

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■ = Reagent tests;

TC* = Cuvette test;
TP* = Powder pillows;

CC = CombiCheck test;
SW = Sea water;

ml* = Sample volume;
* = available Q3/2006

Reagents

	Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	CC	SW	photoLab®				photoFlex
									56	512	Spektral		
Fe Iron													
●	14549	0.05 - 4.00 mg/l Fe	round	5	250 349	25	✓	✓	●	●	●	●	
●	14896	1.0 - 50.0 mg/l Fe	round	1	250 361	25	-	-	●	●	●	-	
■	14761/1	0.005 - 5.00 mg/l Fe	10, 20, 50, 16, 28	5	250 435	1000	✓	✓	-	●	●	●	
■	14761/2	0.005 - 5.00 mg/l Fe	10, 20, 50, 16, 28	5	250 439	250	✓	✓	-	●	●	●	
■	00796	0.010 - 5.00 mg/l Fe	10, 20, 50	8	252 042	150	✓	✓	-	●	●	-	
TP	Fe-1 TP	0.00 - 1.80 mg/l Fe	28	10	251 404	100	-	-	-	-	-	●	
TP	Fe-2 TP	0.00 - 3.00 mg/l Fe	28	10	251 405	100	-	-	-	-	-	●	
Formaldehyde:													
See HCHO													
Halogens (total):													
See Cl ₂ , Br ₂ , I ₂ , ClO ₂ , O ₃													
Hazen:													
See reagent-free tests: Coloration													
H₂O₂ Hydrogen peroxide													
●	14731	2.0 - 20.0 mg/l H ₂ O ₂	round	10	250 402	25	-	✓	-	●	●	-	
■	18789*	0.10 - 6.00 mg/l H ₂ O ₂	10, 20	8.0		approx. 100	-	✓	-	●	●	-	
HCHO Formaldehyde													
●	14500	0.10 - 8.00 mg/l HCHO	round	2	250 406	25	-	-	●	●	●	-	
■	14678	0.02 - 8.00 mg/l HCHO	10, 20, 50	3	250 331	100	-	-	-	●	●	-	
Heavy metals:													
See lead, cadmium, chromium													
I₂ Iodine													
■	00606	0.050 - 10.00 mg/l I ₂	10, 20, 50	10	252 015	200	-	-	-	●	●	-	
Iodine number:													
See reagent-free tests: Coloration													
K Potassium													
●	14562	5.0 - 50.0 mg/l K	round	2	250 407	25	-	✓	●	●	●	●	
●	00615	30 - 300 mg/l K	round	0.5	252 020	25	-	✓	●	●	●	-	
Mg Magnesium													
●	00815	5.0 - 75.0 mg/l Mg	round	1	252 043	25	-	✓	●	●	●	●	
Mn Manganese													
■	01739	0.005 - 2.000 mg/l Mn	10, 20, 50	8	252 056	250	-	-	-	●	●	-	
■	14770	0.01 - 10.0 mg/l Mn	10, 20, 50	5	250 442	500	✓	✓	-	●	●	●	
●	00816	0.10 - 5.00 mg/l Mn	round	7	252 035	25	✓	-	●	●	●	●	
TP	Mn-1 TP	0.0 - 20.0 mg/l Mn	round, 28	10	251 406	100	-	-	-	-	-	●	
Mo Molybdenum													
●	00860	0.02 - 1.00 mg/l Mo	round	10	252 040	25	-	-	-	●	●	-	
TP	Mo-1 TP	0.0 - 35.0 mg/l Mo	round, 28	10	251 407	100	-	-	-	-	-	●	
Monochloramine													
■	01632	0.05 - 10.0 mg/l Cl ₂	10, 20, 50		252 057	150	-	-	-	●	●	-	

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ml* = Sample volume;
* = available Q3/2006

Reagents from A – Z

							photoLab®				
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N₂H₄ Hydrazine											
● 09711	0.005 - 2.00 mg/l N ₂ H ₄	10, 20, 50	5	250 493	100	-	-	-	●	●	-
Na Sodium											
● 00885	10 - 300 mg/l Na	round	0.5	252 044	25	-	-	●	●	●	●
NH₄ Ammonium											
● 14739	0.010 - 2.000 mg/l NH ₄ -N 0.01 - 2.60 mg/l NH ₄ ⁺	round	5	250 495	25	✓	-	●	●	●	-
● A5/25	0.20 - 8.00 mg/l NH ₄ -N 0.26 - 10.3 mg/l NH ₄ ⁺	round	1	250 323	25	✓	✓	●	●	●	●
● 14544	0.5 - 16.0 mg/l NH ₄ -N 0.6 - 20.6 mg/l NH ₄	round	0.5	250 329	25	✓	✓	●	●	●	●
● 14559	4.0 - 80.0 mg/l NH ₄ -N 5.2 - 103.0 mg/l NH ₄	round	0.1	250 424	25	✓	✓	●	●	●	-
■ 14752	0.010 - 3.00 mg/l NH ₄ -N 0.013 - 3.86 mg/l NH ₄	10, 20, 50, 16, 28	5	250 426	500	✓	✓	-	●	●	●
■ 00683	2.0 - 150 mg/l NH ₄ -N 2.6 - 193 mg/l NH ₄	10	0.1, 0.2	252 027	100	✓	✓	-	●	●	-
TP NH ₄ -1 TP	0.00 - 0.50 mg/l NH ₄ -N 0.00 - 0.64 mg/l NH ₄	28	10	251 408	100	-	-	-	-	-	●
TC NH ₄ -2 TC (LR)	0.00 - 2.50 mg/l NH ₄ -N 0.00 - 3.20 mg/l NH ₄	round	2	251 997	50	-	-	-	-	-	●
TC NH ₄ -3 TC (HR)	0 - 50 mg/l NH ₄ -N 0 - 64 mg/l NH ₄	round	0.1	251 998	50	-	-	-	-	-	●
Ni Nickel											
● 14554	0.10 - 6.00 mg/l Ni	round	5	250 409	25	✓	-	●	●	●	-
■ 14785	0.02 - 5.00 mg/l Ni	10, 20, 50	5	250 443	250	✓	-	-	●	●	-
Nickel plating bath:											
See reagent-free tests											
Nitrogen (total):											
See N _{Total}											
NO₂ Nitrite											
● N4/25	0.020 - 0.600 mg/l NO ₂ -N 0.05 - 2.00 mg/l NO ₂	round	4	250 343	25	-	✓	●	●	●	●
● 00609*	1.0 - 90.0 mg/l NO ₂ -N 3.28 - 295.2 mg/l NO ₂	16	8.0		25	-	✓	●	●	●	-
■ 14776/1	0.005 - 1.000 mg/l NO ₂ -N 0.016 - 3.29 mg/l NO ₂	10, 20, 50	5	250 445	1000	-	✓	-	●	●	●
■ 14776/2	0.005 - 1.000 mg/l NO ₂ -N 0.016 - 3.29 mg/l NO ₂	10, 20, 50	5	250 440	335	-	✓	-	●	●	●
TP NO ₂ -1 TP	0.00 - 0.33 mg/l NO ₂ -N 0.00 - 1.08 mg/l NO ₂	round, 28	10	251 409	100	-	-	-	-	-	●
TC NO ₂ -2 TC	0.03 - 0.60 mg/l NO ₂ -N (LR) 0.10 - 1.97 mg/l NO ₂ (LR)	round, 16	2	251 994	24	-	-	-	-	-	●
	0.30 - 3.00 mg/l NO ₂ -N (HR) 0.99 - 9.85 mg/l NO ₂	round, 16	0.5								

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ml* = Sample volume;
* = available Q3/2006

Reagents

	Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	photoLab®					photoFlex
							CC	SW	56	512	Spektral	
NO₃ Nitrat												
●	14556	0.10 - 3.00 mg/l NO ₃ -N 0.4 - 13.3 mg/l NO ₃	round	2	250 411	25	✓	✓	-	●	●	●
●	N1/25	0.5 - 23.0 mg/l NO ₃ -N 2 - 100 mg/l NO ₃	round	0.5	250 342	25	✓	-	●	●	●	-
●	14542	0.5 - 18.0 mg/l NO ₃ -N 2.2 - 79.7 mg/l NO ₃	round	1.5	250 410	25	✓	-	●	●	●	●
●	14764	1.0 - 50.0 mg/l NO ₃ -N 4 - 221 mg/l NO ₃	round	0.5	250 347	25	✓	-	●	●	●	-
●	00614	23 - 225 mg/l NO ₃ -N 102 - 996 mg/l NO ₃	round	0.1	252 019	25	-	-	●	●	●	-
■	14942	0.2 - 17.0 mg/l NO ₃ -N 0.9 - 75.3 mg/l NO ₃	10, 20, 50	1	250 422	50	✓	✓	-	●	●	●
■	14773	0.2 - 20.0 mg/l NO ₃ -N 0.9 - 88.5 mg/l NO ₃	10, 20	1.5, 3	250 444	100	✓	-	-	●	●	-
■	09713	0.1 - 25.0 mg/l NO ₃ -N 0.45 - 110.7 mg/l NO ₃	10, 20, 50	0.5	250 421	90	✓	-	-	●	●	-
TC	NO ₃ -1 TC	0 - 30.0 mg/l NO ₃ -N 0-133 mg/l NO ₃	round, 16	2	251 993	50	-	-	-	-	-	●
N_{Total} Total Nitrogen												
●	14537	0.5 - 15.0 mg/l N _{Total} (120 °C, 1 h)	round	10	250 358	25	✓	-	●	●	●	●
●	14763	10 - 150 mg/l N _{Total} (120 °C, 1 h)	round	1	250 494	25	✓	-	●	●	●	-
●	00613	0.5 - 15.0 mg/l N _{Total} (120 °C, 1 h)	round	10	252 018	25	✓	-	●	●	●	-
TC	N _{tot} 1 TC (LR)	0 - 25.0 mg/l N _{Total} (120°C, 30 min.)	16	2; 2	251 995	50	-	-	-	-	-	●
TC	N _{tot} 2 TC (HR)	5 - 150 mg/l N _{Total} (120°C, 30 min.)	16	0.5; 2	251 996	50	-	-	-	-	-	●
O₂ BOD Biochemical oxygen demand												
●	00687	0.5 - 3000 mg/l BOD	round	-	252 028	50	-	✓	●	●	●	-
<i>also required:</i> BOD nutrient salt 00688 (252 029) BOD SFR Oxygen reaction bottles 14663 (252 032) <i>available:</i> BOD standard (252 030)												
O₂ COD Chemical oxygen demand												
●	14560	4.0 - 40.0 mg/l COD (148 °C, 2 h)	round	3	250 303	25	✓	-	●	●	●	-
●	C1/25	15 - 160 mg/l COD (148 °C, 2 h)	round	2	250 302	25	✓	-	●	●	●	●
●	14895	15 - 300 mg/l COD (148 °C, 2 h)	round	2	250 359	25	✓	-	●	●	●	-
●	14690	50 - 500 mg/l COD (148 °C, 2 h)	round	2	250 304	25	✓	-	●	●	●	-
●	C2/25	25 - 1500 mg/l COD (148 °C, 2 h)	round	2	250 308	25	✓	-	●	●	●	●
●	14691	300 - 3500 mg/l COD (148 °C, 2 h)	round	2	250 351	25	✓	-	●	●	●	-
●	14555	500 - 10000 mg/l COD (148 °C, 2 h)	round	1	250 309	25	✓	-	●	●	●	-
TC	COD1 TC (LR)	0 - 150 mg/l COD (148 °C, 2 h)	round	2	251 990	25	-	-	-	-	-	●
TC	COD2 TC (MR)	0 - 1500 mg/l COD (148 °C, 2 h)	round	2	251 991	25	-	-	-	-	-	●
TC	COD3 TC (HR)	0 - 15000 mg/l COD (148 °C, 2 h)	round	0.2	251 992	25	-	-	-	-	-	●
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For information visit www.WTW.com for a customer care center near you or inside US: call WTW 800 645 5999.

Reagents from A – Z

							photoLab®				
Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	CC	SW	S6	S12	Spektral	pPhotoFlex
O₂ CSB COD Chemical oxygen demand (HG free)											
● 09772	10 - 150 mg/l COD (148 °C, 2h)	round	2	250 301	25	✓	-	●	●	●	●
● 09773	100 - 1500 mg/l COD (148 °C, 2h)	round	2	250 306	25	✓	-	●	●	●	●
O₂ Oxygen											
● 14694	0.5 - 12.0 mg/l O ₂	round		250 403	25	-	-	●	●	●	-
O₃ Ozone											
■ 00607/1	0.010 - 4.00 mg/l O ₃	10, 20, 50, 28	10	252 016	200	-	-	-	●	●	●
■ 00607/2	0.010 - 4.00 mg/l O ₃	10, 20, 50, 28	10	252 054	1200	-	-	-	●	●	●
■ 14732	replaced by ClO ₂ 00608 and Ozone 00607										
Organic Acids (volatile)											
● 01763	50-3000 mg/l	round		252 060	100	-	-	●	●	●	-
Pb Lead											
● 14833	0.10 - 5.00 mg/l Pb	round	5	250 313	25	✓	-	●	●	●	-
■ 09717	0.010 - 5.00 mg/l Pb	10, 50, 16, 28	8	252 034	50	✓	-	-	●	●	●
pH											
● 01744	pH 6.4 – 8.6	round	10	252 050	280	-	✓	●	●	●	-
Phenol:											
See C ₆ H ₅ OH Phenol											
PO₄ Phosphate											
● P4/25	0.05 - 1.50 mg/l PO ₄ -P 0.05 - 1.50 mg/l P _{Total} 0.20 - 4.50 mg/l PO ₄	round	4	250 366	25	✓	✓	●	●	●	●
● 14543	0.05 - 5.00 mg/l PO ₄ -P 0.05 - 5.00 mg/l P _{Total} 0.2 - 15.3 mg/l PO ₄	round	5	250 324	25	✓	✓	●	●	●	●
● P5/25	0.3 - 15.0 mg/l PO ₄ -P 0.3 - 15.0 mg/l P _{Total} 1.0 - 45.0 mg/l PO ₄	round	0.5	250 368	25	✓	✓	●	●	●	●
● 14546	0.5 - 25.0 mg/l PO ₄ -P 1.5 - 76.7 mg/l PO ₄	round	5	250 413	25	✓	✓	●	●	●	●
● 14729	0.5 - 25.0 mg/l PO ₄ -P 0.5 - 25.0 mg/l P _{Total} 1.5 - 76.7 mg/l PO ₄	round	1	250 334	25	✓	✓	●	●	●	●
● 00616	3.0 - 100.0 mg/l PO ₄ -P 10 - 307 mg/l PO ₄	round	0.2	252 021	25	-	✓	●	●	●	●
■ 14848	0.01 - 5.00 mg/l PO ₄ -P 0.03 - 15.3 mg/l PO ₄	10, 20, 50, 16, 28	5	250 446	420	✓	✓	-	●	●	●
■ 14842	0.5 - 30.0 mg/l PO ₄ -P 1.5 - 92.0 mg/l PO ₄	10, 20	5	250 447	400	-	✓	-	●	●	-
■ 00798	1.0 - 100 mg/l PO ₄ -P 3 - 307 mg/l PO ₄	10	8	252 045	100	-	✓	-	●	●	●
TP PO4-1 TP	0.00 - 0.80 mg/l PO ₄ -P 0.00 - 2.45 mg/l PO ₄	round, 28	10	251 410	100	-	-	-	-	-	●
TC PO4-2 TC	0.00 - 1.60 mg/l PO ₄ -P 0.00 - 4.91 mg/l PO ₄	round, 16	5	251 989	50	-	-	-	-	-	●
TC PO4-3 TC	0.00 - 1.10 mg/l PO ₄ -P 0.00 - 1.10 mg/l P _{Total} (digestion) 0.00 - 3.37 mg/l PO ₄	round, 16	5	251 988	50	-	-	-	-	-	●

● = Reaction cuvettes tests;
■ = Reagent tests;

TC* = Cuvette test;
TP* = Powder pillows;

CC = CombiCheck test;
SW = Sea water;

ml* = Sample volume;
* = available Q3/2006

Reagents

	Model	Measuring Range (Specification max.)	Cuvette (mm)	ml*	Order No.	No.	CC	SW	photoLab®			photoFlex
									S6	S12	Spektral	
S Sulfide/Hydrogensulfide												
●	14779	0.02 - 1.50 mg/l S	10, 20, 50	5	250 450	220	-	-	-	●	●	-
Si Silicate/Silicic acid												
■	14794	0.005- 5.00 mg/l Si	10, 20, 50	5	250 438	300	-	✓	-	●	●	●
■	00857	0.5 - 500 mg/l Si	10	4/0.5	252 046	100	-	-	-	●	●	●
TP	Si-1 TP (LR)	0.00 - 1.60 mg/l SiO ₂ 0.00 - 0.75 mg/l Si	round, 28	10	251 411	100	-	-	-	-	-	●
TP	Si-2 TP (HR)	0.0 - 100.0 mg/l SiO ₂ 0.0 - 46.7 mg/l Si	round, 28	10	251 412	100	-	-	-	-	-	●
Sn Tin												
●	14622	0.10 - 2.50 mg/l Sn	round	5	250 401	25	-	✓	-	●	●	-
SO₃ Sulfite												
●	14394	1.0 - 20.0 mg/l SO ₃	round	3	250 416	25	-	-	-	●	●	-
■	01746	1.0-60.0 mg/l SO ₃	10	2	252 053	150	-	-	-	●	●	-
SO₄ Sulfate												
●	14548	5 - 250 mg/l SO ₄	round	5	250 414	25	✓	✓	●	●	●	●
●	00617	50 - 500 mg/l SO ₄	round	2	252 022	25	✓	✓	●	●	●	-
●	14564	100 - 1000 mg/l SO ₄	round	1	250 415	25	✓	✓	●	●	●	-
■	14791	25 - 300 mg/l SO ₄	10, 20	2.5	250 449	200	✓	-	-	●	●	-
TP	SO4-1 TP	0 - 70 mg/l SO ₄	round, 28	10	251 413	100	-	-	-	-	-	●
Surfactants												
a-Ten (anionic) ●	14697	0.05 - 2.00 mg/l a-Ten	round	5	250 333	25	-	-	-	●	●	-
c-Ten (cationic) ●	01764	0.05 - 1.50 mg/l CTAB	round	5	252 062	25	-	-	-	●	●	-
n-Ten (nonionic) ●	01787	0.10 - 7.50 mg/l Triton X-100	round	4	252 061	25	-	-	-	●	●	-
TOC Total organic carbon												
●	14878	5.0 - 80.0 mg/l TOC	round	3	252 036	25	-	-	●	●	●	-
●	14879	50 - 800 mg/l TOC	round	3	252 037	25	-	-	●	●	●	-
<i>also required: TOC Screw Caps (252 038)</i>												
<i>available: TOC Standard Solution 1000 mg/l (250 499)</i>												
Total nitrogen:												
See N _{Total}												
Total phosphorus:												
See PO ₄ Phosphate												
Water hardness, total hardness												
●	00961	0.7 - 30.1 °d 5 - 215 mg/l Ca	round	1	252 039	25	-	-	●	●	●	●
Water hardness, RH Residual hardness												
●	14683	0.075 - 0.750 °d 0.50 - 5.00 mg/l Ca	round	4	250 404	25	-	-	●	●	●	-
Zn Zinc												
●	00861	0.025 - 1.000 mg/l Zn	round	2	252 049	25	-	-	●	●	●	●
●	14566	0.20 - 5.00 mg/l Zn	round	0.5	250 417	25	✓	-	●	●	●	-
■	14832	0.05 - 2.50 mg/l Zn	10	5	250 451	90	-	-	-	●	●	-
<i>Necessary reagent: 06146 Zinc reagent 6</i>												
					250 452	180						
●	= Reaction cuvettes tests;		TC* = Cuvette test;		CC = CombiCheck test;		ml* = Sample volume;					
■	= Reagent tests;		TP* = Powder pillows;		SW = Sea water;		* = available Q3/2006					

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