HACH CHEMISTRIES, REAGENTS AND STANDARDS

Hach® has more than 60 years of history dedicated to formulating and packaging high-quality reagents for water analysis. We understand your applications and formulate our reagents to ensure exceptional performance and deliver results you can trust, time after time. Our expertise extends beyond chemistry formulation to the complete reagent system. Hach chemistries are rigorously tested in combination with our packaging and instruments to ensure the highest possible system performance. No other company can offer these advantages.

HACH®

Be Right™

Powder Pillows

Powder Pillows - low-price methods with long shelf life

Powder Pillows are available for a large number of parameters and measuring ranges. Hermetically sealed in aluminium foil pillows, the Permachem reagents have a shelf life of many years. The reagent is simply poured into the measuring cuvette together with the sample. The evaluation can be carried out visually, e.g. with a colour disk, or with a Hach photometer.

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
2242000	Aluminium	0.008 - 0.800 mg/L Al	Aluminon	8012	1417442	100	■	■	■	■	■	GHS05, GHS06, GHS07
2603700	Aluminium	0.002 - 0.250 mg/L Al	Eriochrome Cyanine R	8326	1417442	100			■	■	■	GHS02, GHS07, GHS08
2668000	Ammonia	0.01 - 0.50 mg/L NH_3-N	Salicylate	8155	15349	100	■	■	■	■	■	GHS05, GHS07
2459200	Ammonium compounds, quaternary	0.2 - 5.0 mg/L as CTAB	Direct Binary Complex	8337		100			■	■	■	GHS07
1206499	Barium	2 - 100 mg/L Ba	Turbidimetric	8014	1461142	100			■	■	■	GHS08
2141299	Benzotriazole, Tolyltriazole	1.0 - 20.0 Tolyltriazole 1.0 - 16.0 mg/L Benzotriazole	UV Photolysis	8079		100		■	■	■	■	GHS05, GHS07
1417099	Boron	0.2 - 14.0 mg/L B	Carmine	8015		100			■	■	■	GHS07
2802246	Chloramine, mono	0.04 - 4.50 mg/L Cl_2	Indophenol	10171		50	■	■	■	■	■	GHS05, GHS07
2105569	Chlorine, free	0.02 - 2.00 mg/L Cl_2	DPD	8021	1426810, 2630020	100	■	■	■	■	■	GHS07
1407099	Chlorine, free	0.1 - 10.0 mg/L Cl_2	DPD	8021		100	■	■	■	■	■	GHS07
2105528	Chlorine, free, Chlorine dioxide	0.02 - 2.00 mg/L Cl_2	DPD	8021	1426810, 2630020	1000	■	■	■		■	GHS07
2105628	Chlorine, total	0.02 - 2.00 mg/L Cl_2	DPD	8167	1426810, 2630020	1000	■	■	■		■	GHS07
2105669	Chlorine, total, Bromine, Iodine	0.02 - 2.00 Cl_2	DPD	8167	1426810, 2630020	100	■	■	■	■	■	GHS07
2770900	Chlorine dioxide	0.04 - 5.00 mg/L ClO_2	DPD/Glycine	10126		100	■	■	■	■	■	GHS07
1271099	Chromium	0.010 - 0.700 mg/L Cr (VI)	1,5-Diphenylcarbohydrazide	8023	1425610	100	■	■	■	■	■	GHS07, GHS08
2242500	Chromium, total	0.01 - 0.70 mg/L Cr	Alkaline Hypobromite Oxidation	8024	1425610	100		■	■	■	■	GHS05, GHS07, GHS08
2651600	Cobalt, Nickel	0.01 - 2.00 mg/L Co	PAN	8078	2150342, 1417642	100	■		■	■	■	GHS05, GHS07, GHS08, GHS09
2105869	Copper	0.04 - 5.00 mg/L Cu	Bicinchoninate	8506	12842	100	■	■	■	■	■	GHS07
2603300	Copper	2 - 210 µg/L Cu	Porphyrin	8143	12842	100		■	■	■	■	GHS02, GHS07
2430200	Cyanide	0.002 - 0.240 mg/L CN	Pyridine-Pyrazalone	8027		100		■	■	■	■	GHS07
246066	Cyanuric acid	5 - 50 mg/L	Turbidimetric	8139		50		■	■	■		GHS07
2544800	Iron	0.01 - 1.80 mg/L Fe	FerroMo	8365	1417542	100		■	■	■	■	GHS05, GHS07, GHS08

PC II: Single Parameter Colorimeter, DR900: Multi-Parameter Colorimeter, DR1900: Portable VIS Spectrophotometer, DR3900: Benchtop VIS Spectrophotometer, DR6000: Benchtop UV-VIS Spectrophotometer

-: product is not subject to classification

Hazard code descriptions: see page 9

Powder Pillows

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
2105769	Iron	0.02 - 3.00 mg/L Fe	FerroVer	8008	1417542	100	■	■	■	■	■	GHS05, GHS07, GHS08
2608799	Iron	0.012 - 1.800 mg/L Fe	TPTZ	8112	1417542	100	■	■	■	■	■	GHS05, GHS07, GHS08
230166	Iron	0.009 - 1.400 mg/L Fe	FerroZine	8147	1417542	50		■	■	■	■	GHS05, GHS06, GHS08
103769	Iron, ferrous	0.02 - 3.00 mg/L Fe (II)	1,10 Phenanthroline	8146	1417542	100		■	■	■	■	GHS07, GHS09
2430000	Manganese	0.1 - 20.0 mg/L Mn	Periodate Oxidation	8034	1279142	100	■	■	■	■	■	GHS02, GHS06, GHS07
2604100	Molybdenum	0.3 - 40.0 mg/L Mo	Mercaptoacetic Acid	8036	1426510	100		■	■	■	■	GHS05, GHS07, GHS08
2449400	Molybdenum, Molybdate	0.02 - 3.00 mg/L Mo	Ternary Complex	8169	1426510	100	■	■	■	■	■	GHS07
2243500	Nickel	0.02 - 1.80 mg/L Ni	Heptoxime	8037	1417642	50			■	■	■	GHS07, GHS08
2106169	Nitrate	0.3 - 30.0 mg/L NO_3-N	Cadmium Reduction	8039 HR	30749	100	■	■	■	■	■	GHS06, GHS07, GHS08, GHS09
2429800	Nitrate	0.01 - 0.50 mg/L NO_3-N	Cadmium Reduction	8192	30749	100		■	■	■	■	GHS07, GHS08, GHS09
2107169	Nitrite	0.002 - 0.300 mg/L NO_2-N	Diazotisation	8507	2340249	100		■	■	■	■	GHS07
2107569	Nitrite	2 - 250 mg/L NO_2	Ferrous Sulphate	8153		100		■	■	■	■	GHS07
2446600	Oxygen scavengers	5 - 600 µg/L Carbohydrazide	Iron Reduction	8140		100		■	■	■	■	GHS05, GHS07
2243900	Phenols	0.002 - 0.200 mg/L Phenol	4-Aminoantipyrine	8047		100			■	■	■	GHS07, GHS08
2106028	Phosphate, ortho	0.02 - 2.50 mg/L PO_4	Ascorbic Acid	8048	256949	1000	■	■	■	■	■	GHS07
2106069	Phosphate, ortho	0.02 - 2.50 mg/L PO_4	Ascorbic Acid	8048	256949	100	■	■	■	■	■	GHS07
212528	Phosphate, ortho	0.02 - 2.50 mg/L PO_4	Ascorbic Acid	8048	256949	1000	■		■	■	■	GHS07
2429700	Phosphonates	0.02 - 2.50 mg/L PO_4	Persulfate UV Oxidation	8007		100	■	■	■	■	■	GHS03, GHS07, GHS08
2459100	Potassium	0.1 - 7.0 mg/L K	Tetraphenylborate	8049	2240442	100			■	■	■	GHS05, GHS06, GHS07, GHS08
2429600	Silica	1 - 100 mg/L SiO_2	Silicomolybdate	8185	110649	100	■	■	■	■	■	GHS07
2459300	Silica	0.010 - 1.600 mg/L SiO_2	Heteropoly Blue	8186	110649	100		■	■	■	■	GHS05, GHS07, GHS08
2296600	Silver	0.02 - 0.70 mg/L Ag	Colorimetric	8120	1461342	50			■	■	■	GHS07, GHS08
2106769	Sulphate	2 - 70 mg/L SO_4	SulfaVer 4, turbidimetric	8051	257849	100	■	■	■	■	■	GHS07
2495300	Total Kjeldahl Nitrogen (TKN)	1 - 150 mg/L TKN	Nessler	8075		250		■	■	■	■	GHS02, GHS05, GHS06, GHS07, GHS09
2429300	Zinc	0.01 - 3.00 mg/L Zn	Zincon	8009	237842	100	■	■	■	■	■	GHS02, GHS06, GHS07, GHS08, GHS09

Swiftests

The right amout of DPD with the Swiftest

The Swiftest is a powder dispenser that releases the correct amount of DPD (N,N-diethyl-p-phenylenediamine) at the press of a button. It contains enough reagent for 250 chlorine tests (free or total chlorine). As a practical, attractively priced alternative, the Swiftest is ideal for laboratories with a high sample throughput, and for analysis in the field.

Part number	Product description	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
2802300	Swiftest DPD Free chlorine reagent dispenser and reagent vial	0.02 - 2.00 mg/L Cl_2	DPD	8021	1426810, 2630020	250	■	■	■	■	■	GHS07
2105660	DPD Total chlorine, Swiftest dispenser reagent (refill)	0.02 - 2.00 mg/L Cl_2	DPD	8167	1426810, 2630020	250	■	■	■	■	■	GHS07, GHS09
2105560	DPD Free chlorine, Swiftest dispenser reagent (refill)	0.02 - 2.00 mg/L Cl_2	DPD	8021	1426810, 2630020	250	■	■	■	■	■	GHS07
2802400	Swiftest DPD Total chlorine reagent dispenser and reagent vial	0.02 - 2.00 mg/L Cl_2	DPD	8167	1426810, 2630020	250	■	■	■	■	■	GHS07, GHS09

PC II: Single Parameter Colorimeter, DR900: Multi-Parameter Colorimeter, DR1900: Portable VIS Spectrophotometer, DR3900: Benchtop VIS Spectrophotometer, DR6000: Benchtop UV-VIS Spectrophotometer

-: product is not subject to classification

Hazard code descriptions: see page 9

Accuvacs

Accuvac - analysing without pipetting

The secret of the Accuvac is the vacuum in the sealed glass cuvette containing a measured amount of reagent. The test is carried out by immersing the tip of the Accuvac in the sample, then breaking it by applying moderate pressure. The vacuum draws the sample into the cuvette, whilst ensuring thorough mixing. The resulting colour is measured visually or photometrically.

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
2502025	Chlorine, free, Chlorine dioxide	0.02 - 2.00 mg/L Cl_2	DPD	8021	1426810, 2630020	25	■	■	■	■	■	GHS07
2503025	Chlorine, total Bromine Iodine	0.02 - 2.00 mg/L Cl_2 0.05 - 4.50 mg/L Br_2 0.07 - 7.00 mg/L I_2	DPD	8167 Chlorine	2630020	25	■	■	■	■	■	GHS07
2505025	Chromium	0.010 - 0.700 mg/L Cr (VI)	1,5-Diphenylcarbohydrazide	8023	1425610	25	■	■	■	■	■	GHS07
2504025	Copper	0.04 - 5.00 mg/L Cu	Bicinchoninate	8026	2833649	25	■	■	■	■	■	GHS07
2506025	Fluoride	0.02 - 2.00 mg/L F	SPADNS	8029	29153	25	■	■	■	■	■	GHS05, GHS07
2507025	Iron	0.02 - 3.00 mg/L Fe	FerroVer	8008	1417542	25	■	■	■	■	■	GHS05, GHS07, GHS08
2510025	Iron	0.012 - 1.800 mg/L Fe	TPTZ	8112	1417542	25	■	■	■	■	■	GHS05, GHS07, GHS08
2514025	Iron	0.02 - 3.00 mg/L Fe (II)	1,10 Phenanthroline	8146	2833649	25		■	■	■	■	GHS07, GHS09
2511025	Nitrate	0.3 - 30.0 mg/L NO_3-N	Cadmium Reduction	8039	30749	25	■	■	■	■	■	GHS06, GHS08, GHS09
2512025	Nitrite	0.002 - 0.300 mg/L NO_2-N	Diazotisation	8507	2340249	25		■	■	■	■	GHS07
2501025	Oxygen, dissolved	6 - 800 µg/L O_2	Indigo Carmine	8316		25		■	■	■	■	GHS05, GHS08
2515025	Oxygen, dissolved	0.3 - 15.0 mg/L O_2	HRDO	8166		25	■	■	■	■	■	GHS05, GHS07, GHS08, GHS09
2516025	Ozone	0.01 - 0.25 mg/L O_3	Indigo	8311		25	■	■	■	■	■	GHS07
2517025	Ozone	0.01 - 0.75 mg/L O_3	Indigo	8311		25	■	■	■	■	■	GHS07
2518025	Ozone	0.01 - 1.50 mg/L O_3	Indigo	8311		25		■	■	■	■	GHS07
2508025	Phosphate, ortho	0.02 - 2.50 mg/L PO_4	Ascorbic Acid	8048	256949	25	■	■	■	■	■	GHS07
2525025	Phosphate, ortho	0.3 - 45.0 mg/L PO_4	Molybdovanadate	8114	256949	25		■	■	■	■	GHS05
2509025	Sulphate	2 - 70 mg/L SO_4	SulfaVer 4	8051	257849	25	■	■	■	■	■	GHS07

PC II: Single Parameter Colorimeter, DR900: Multi-Parameter Colorimeter, DR1900: Portable VIS Spectrophotometer, DR3900: Benchtop VIS Spectrophotometer, DR6000: Benchtop UV-VIS Spectrophotometer

-: product is not subject to classification

Hazard code descriptions: see page 9

Liquid Reagent Tests

Reagent solutions, economic liquid reagent tests and rapid liquid systems

Reagent tests for the determination of numerous parameters required in drinking, waste and process water applications as well as product control and monitoring. A cost-effective solution for your high-volume testing and serial analysis.

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
2458200	Ammonia	0.02 - 2.50 mg/L NH_3-N	Nessler	8038		250		■	■	■	■	GHS05, GHS06, GHS09
2242200	Cadmium	0.7 - 80 µg/L Cd	Dithizone	8017	1402442	60 - 100			■	■	■	GHS06, GHS07, GHS08, GHS09
2556900	Chlorine, free	0.02 - 5.00 mg/L Cl_2	DPD	10059	1426810, 2630020	450			■	■	■	GHS07
HPT210	Chlorine, free	0.02 - 2.00 mg/L	DPD		2630020, 1426810	100	■	■	■	■	■	GHS05
HPT310	Chlorine, free + total	0.02 - 2.00 mg/L Cl_2	DPD	RS	2630020, 1426810	100	■	■	■	■	■	GHS05
2557000	Chlorine, total	0.02 - 5.00 mg/L Cl_2	DPD	8370	2630020, 1426810	450			■	■	■	GHS05, GHS07
LCW510	Chlorine/Ozone	0.1 - 1.5 mg/L Cl_2 / O_3 (round cuvette)	DPD			100				■	■	GHS07
2242300	Chlorine dioxide	0.01 - 1.00 mg/L ClO_2	Chlorophenol Red	8065		100			■	■	■	GHS05, GHS07
HPT240	Chlorine dioxide	0.02 - 0.50 mg/L ClO_2	Amaranth Method			100			■	■	■	-
2651600	Cobalt, Nickel	0.01 - 2.00 mg/L Co	PAN	8078	2150342, 1417642	100	■		■	■	■	GHS05, GHS07, GHS08, GHS09
44449	Fluoride	0.02 - 2.00 mg/L F	SPADNS	8029	29153	125	■	■	■	■	■	GHS05, GHS07
2257700	Formaldehyde	3 - 500 µg/L CH_2O	MBTH	8110		100			■	■	■	GHS05, GHS07
2603100	Hardness	8 - 1000 µg/L $CaCO_3$	Chlorophosphonazo	8374	2833449	100			■	■	■	GHS05, GHS06, GHS07
2319900	Hardness, Ca and Mg	0.05 - 4.00 mg/L Ca as $CaCO_3$	Calmagite Colorimetric	8030	218710	100		■	■	■	■	GHS05, GHS07
179032	Hydrazine	4 - 600 µg/L N_2H_4	p-Dimethylaminobenz-aldehyde	8141		100		■	■	■	■	GHS05
LCW025	Hydrazine	0.01 - 2.0 mg/L N_2H_4	4-Dimethylaminobenzal-dehyde			60				■	■	GHS05
LCW058	Hydrogen peroxide	1 - 10 g/L H_2O_2	Peroxomolybdate			40				■	■	GHS05
230149	Iron	0.009 - 1.400 mg/L Fe	FerroZine	8147	1417542	500 - 1000			■	■	■	GHS05, GHS06, GHS08

PC II: Single Parameter Colorimeter, DR900: Multi-Parameter Colorimeter, DR1900: Portable VIS Spectrophotometer, DR3900: Benchtop VIS Spectrophotometer, DR6000: Benchtop UV-VIS Spectrophotometer

-: product is not subject to classification

Hazard code descriptions: see page 9

Liquid Reagent Tests

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	PC II	DR900	DR1900	DR3900	DR6000	GHS hazard code
LCW021	Iron	0.005 - 0.25 mg/L Fe	Iron(II) ions react with FerroZine to form a violet complex compound			50				■	■	GHS05
2375000	Lead	5 - 150 µg/L Pb	LeadTrak	8317	1426210	20	■		■	■	■	GHS05, GHS07, GHS08
2651700	Manganese	0.006 - 0.700 mg/L Mn	PAN	8149	1279142	50	■	■	■	■	■	GHS05, GHS06, GHS08, GHS09
LCW532	Manganese	0.005 - 0.5 mg/L Mn	1-(2-pyridylazo)-2-naphthol (PAN)			50				■	■	GHS02, GHS05, GHS06, GHS08, GHS09
LCW032	Manganese	0.2 - 5 mg/L Mn (round cuvette or 10 mm rectangular cuvette)	Formaldoxime		LCA706	50				■	■	GHS05, GHS06, GHS07, GHS08, GHS09
2658300	Mercury	0.1 - 2.5 µg/L Hg	Cold Vapour Concentration	10065	1419542	25			■	■	■	GHS03, GHS05, GHS06, GHS07, GHS08, GHS09
2657512	pH	6.5 - 8.5 pH	Colorimetric Phenol Red			50	■	■				-
2076049	Phosphate, ortho	0.3 - 45.0 mg/L PO_4	Molybdovanadate	8114	2109210	250			■	■	■	GHS05, GHS07
2244100	Phosphate, ortho	0.23 - 30.00 mg/L PO_4	Amino Acid	8178	2109210	100		■	■	■	■	GHS05, GHS08
2076032	Phosphate, ortho	0.3 - 45.0 mg/L PO_4	Molybdovanadate	8114	2109210	50		■	■	■	■	GHS05, GHS07
LCW250	Reducing agent	0.05 - 1.0 mg/L DEHA	Iron Reduction Method			100				■	■	-
2553500	Silica	3 - 1000 µg/L SiO_2	Heteropoly Blue	8282	110649	100			■	■	■	GHS05, GHS08
2581400	Silica	3 - 1000 µg/L SiO_2	Heteropoly Blue	8282	110649	40			■	■	■	GHS05, GHS08
2678500	Silica	3 - 1000 µg/L SiO_2	Heteropoly Blue	8282	110649	250			■	■	■	GHS05, GHS07, GHS08
LCW028	Silica	0.01 - 0.8 mg/L SiO_2	Molybdenum Blue			50				■	■	-
2244500	Sulphide	5 - 800 µg/L S^{2-}	Methylene Blue	8131		100		■	■	■	■	GHS05, GHS08
LCW053	Sulphide	0.1 - 2.0 mg/L S^{2-}	Dimethyl-p-phenylenediamine			25 - 49				■	■	-
HPT430	Sulphite	0.1 - 5.0 mg/L SO_3	Hach Method		2267410	100			■	■	■	GHS07
LCW054	Sulphite	0.1 - 5.0 mg/L SO_3	Hach Method		2267410	100				■	■	-
2244600	Tannin & Lignin	0.1 - 9.0 mg/L as Tannic Acid	Tyrosine	8193		100		■	■	■	■	GHS05, GHS07, GHS08
2790800	Trihalomethanes	10 - 600 µg/L $CHCl_3$	THM Plus	10132		50 - 99			■	■	■	GHS05, GHS06, GHS07
2244700	Volatile acids	27 - 2800 mg/L HOAc	Esterification	8196		100		■	■	■	■	GHS05, GHS07, GHS08

Test 'N Tubes

Test 'N Tubes - Safe and convenient testing

Test 'N Tube cuvette tests are completely equipped with all premeasured reagents, optimised for reliable measuring results and easy handling. Capped 16 mm vials provide a self-contained package for mixing and measurement. All necessary reagents and vials are contained in the package.

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	DR900	GHS hazard code
2604545	Ammonia	0.02 - 2.50 mg/L NH_3-N	Salicylate	10023	189149, 15349	25 - 50	■	GHS05, GHS07
2606945	Ammonia	0.4 - 50.0 mg/L NH_3-N	Salicylate	10031	189149, 15349	25 - 50	■	GHS05
2105545	Chlorine	0.09 - 5.00 mg/L Cl_2	DPD	10102	1426810, 2630020	50	■	GHS07
2125851	COD	3 - 150 mg/L O_2	Dichromate	8000	1218629, 1218649, 2253929	25	■	GHS05, GHS06, GHS08, GHS09
2125951	COD	20 - 1500 mg/L O_2	Dichromate	8000	1218629, 1218649, 2253929	25	■	GHS05, GHS06, GHS08, GHS09
2345852	COD	25 - 150 mg/L O_2	Dichromate without mercury (not approved for USEPA reporting purposes)	8000	1218629, 1218649, 2253929	25	■	GHS05, GHS09
2345952	COD	0 - 1500 mg/L O_2	Dichromate without mercury (not approved for USEPA reporting purposes)	8000	1218629, 1218649, 2253929	25	■	GHS05, GHS08, GHS09
2415851	COD	0.7 - 40 mg/L O_2	Dichromate	8000	1218629, 1218649, 2253929	25	■	GHS05, GHS06, GHS08, GHS09
2623451	COD	20 - 1000 mg/L O_2	Manganese (III)	10067	1218629, 1218649, 2253929	25	■	GHS05
2605345	Nitrate	0.2 - 30.0 mg/L NO_3-N	Chromotropic Acid	10020	30749	50	■	GHS05, GHS07
2608345	Nitrite	0.003 - 0.500 mg/L NO_2-N	Diazotization	10019	2340249	50	■	GHS07
2672245	Nitrogen, total	0.5 - 25.0 mg/L N	Persulphate Digestion	10071	189149, 15349, 2406549	25 - 50	■	GHS03, GHS05, GHS07, GHS08

DR900: Multi-Parameter Colorimeter

Please note: Some methods require reagent blanks. For these, the number of tests varies.

-: product is not subject to classification

Hazard code descriptions: see page 9

Test 'N Tubes

Part number	Parameter	Measuring range	Method	Method number	Quality control	Number of tests	DR900	GHS hazard code
2714100	Nitrogen, total	10 - 150 mg/L N	Persulphate Digestion	10072	15349, 2406549	25 - 50	■	GHS03, GHS05, GHS07, GHS08
2742545	Phosphate, ortho	0.06 - 5.00 mg/L PO_4	Ascorbic Acid	8048	2109210	25 - 50	■	GHS07
2742745	Phosphate, ortho + total	0.06 - 5.00 mg/L PO_4	Ascorbic Acid	8180	2109210	25 - 50	■	GHS03, GHS05, GHS08, GHS07
2767345	Phosphate, ortho	1.0 - 100.0 mg/L PO_4	Molybdovanadate	8114	256949	25 - 50	■	GHS05
2742645	Phosphate, total	0.06 - 3.50 mg/L PO_4	PhosVer 3 with Acid Persulfate Digestion	8190	2109210	25 - 50	■	GHS03, GHS05, GHS08, GHS07
2767245	Phosphate, total	1.0 - 100 mg/L PO_4	Molybdovanadate with Acid Persulfate Digestion	10127	256949	25 - 50	■	GHS03, GHS05, GHS08, GHS07
2760345	TOC	0.3 - 20.0 mg/L C	Direct	10129		25 - 50	■	GHS03, GHS05, GHS08, GHS07
2760445	TOC	100 - 700 mg/L C	Direct	10128		25 - 50	■	GHS03, GHS05, GHS08, GHS07
2815945	TOC	15 - 150 mg/L C	Direct	10173		25 - 50	■	GHS03, GHS05, GHS08, GHS07

GHS hazard codes

GHS01 GHS02 GHS03 GHS04 GHS05 GHS06 GHS07 GHS08 GHS09

Standard Solutions - Single parameter for Analytical Quality Assurance

Regular use of standard solutions can ensure laboratory process control, increase your confidence, and help provide evidence of performance to inspectors, regulators, and clients. Single parameters are available in a variety of analytes and concentrations for proof of accuracy.

Parameter	Part number	Product description	Concentration	GHS hazard code
Alkalinity	2349732	Sulphuric acid standard solution, 0.035 N, 100 mL MDB	0.035 N	GHS05
Alkalinity	20353	Sulphuric acid standard solution, 0.020 N, 1 L	0.020 N	GHS05
Ammonia	15349	Ammonia standard solution, 10 mg/L NH_3-N, 500 mL	10 mg/L NH_3-N	-
Ammonia	189149	Ammonia standard solution, 1mg/L NH_3-N, 500 mL	1 mg/L NH_3-N	-
Ammonia	2406549	Ammonia standard solution, 100 mg/L NH_3-N, 500 mL	100 mg/L NH_3-N	-
AOX	LCA390	Addista Mono standard for AOX cuvette test LCK390	Lot specific concentration	-
BOD	LCA555	Addista Mono standard for BOD cuvette test LCK555	200 mg/L O_2	GHS03, GHS07
BOD	1486510	BOD standard solution, 300 mg/L O_2, 10 mL, 16 pcs.	300 mg/L O_2	-
BOD	1486610	BOD standard solution, 3000 mg/L O_2, 10 mL, 16 pcs.	3000 mg/L O_2	-
Chlorine	LCA310	Addista Mono standard for chlorine cuvette test LCK310	25 - 30 mg/L Cl_2	-
Chlorine	1426810	Chlorine standard solution, 50-75 mg/L Cl_2 (NIST)	50 - 75 mg/L Cl_2	-
Chlorine	2630020	Chlorine standard solution, 25-30 mg/L Cl_2 (NIST), 20 pcs.	25 - 30 mg/L Cl_2	GHS05
Chlorine	2635300	SpecCheck Gel secondary standard Kit, LR chlorine, DPD, 0-2.0 mg/L Cl_2	0 - 2.0 mg/L Cl_2	-
COD	1218629	COD standard solution, 300 mg/L O_2 (NIST), 200 mL	300 mg/L O_2	-
COD	2253929	COD standard solution, 1000 mg/L O_2 (NIST), 200 mL	1000 mg/L O_2	-
COD	1218649	COD standard solution, 300 mg/L O_2 (NIST), 500 mL	300 mg/L O_2	-
Colour	141453	Colour standard solution, 500 Pt Co Units, 1 L	500 Pt Co units	GHS05
Colour	2602853	Colour standard solution, 15 Pt Co Units, 1 L	15 Pt Co units	GHS05
Conductivity	1440042	Sodium chloride standard solution, 1000 µS/cm (NIST), 100 mL	1000 µS/cm	-
Conductivity	1440049	Sodium chloride standard solution, 1000 µS/cm (NIST), 500 mL	1000 µS/cm	-
Conductivity	210553	Sodium chloride standard solution, 1990 µS/cm (NIST), 1 L	1990 µS/cm	-
Conductivity	2971849	Sodium chloride standard solution, 100 µS/cm (NIST), 500 mL	100 µS/cm	-
Conductivity	2972249	Sodium chloride standard solution, 10000 µS/cm (NIST), 500 mL	10000 µS/cm	-
Iron	1417542	Iron standard solution 100.0 mg/L Fe (NIST), 100 mL	100 mg/L Fe	GHS05
Nitrite	2340249	Nitrite standard solution, 250 mg/L NO_2-N, APHA, 500 mL	250 mg/L NO_2-N	GHS08
Phosphate	1424342	Phosphate standard solution, 15 mg/L PO_4, 100 mL	15 mg/L PO_4	-
Phosphate	17149	Phosphate standard solution, 50 mg/L PO_4 (NIST), 500 mL	50 mg/L PO_4	-
Phosphate	256949	Phosphate standard solution, 1 mg/L PO_4 , 500 mL	1 mg/L PO_4	-
Silica	110649	Silica standard solution, 1 mg/L SiO_2 (NIST), 500 mL	1 mg/L SiO_2	-
Sulphate	2175749	Sulphate standard solution, 1000 mg/L SO_4 (NIST), 500 mL	1000 mg/L SO_4	-
Sulphate	257849	Sulphate standard solution, 50 mg/L SO_4 (NIST), 500 mL	50 mg/L SO_4	-
Surfactants, non-ionic	LCA333	Addista Surfactants standard for LCK333 1g/L TRITON x 100	1 g/L TRITON x 100	-
Varies	244932	Sulphuric acid standard solution, 5.25 N, 100 mL	5.25 N	GHS05
Varies	20253	Sulphuric acid standard solution, 0.100 N, 1 L	0.100 N	GHS05
Varies	2332453	Sodium hydroxide standard solution, 6 N, 1 L	6.0 N	GHS05
Varies	2339349	Sulphuric acid 0.04 N, 500 mL	0.04 N	GHS05
Varies	28249	Potassium hydroxide standard solution, 8.00 N, 500 mL	8.00 N	GHS05, GHS07

-: product is not subject to classification

Hazard code descriptions: see page 9

Hach Spectrophotometers and Colorimeters

DR6000 UV-VIS Spectrophotometer

DR3900 VIS Spectrophotometer

DR1900 Portable VIS Spectrophotometer

DR900 Multi-Parameter Colorimeter

Pocket Colorimeter II Single Parameter Colorimeter

SL1000 PORTABLE PARALLEL ANALYSER (PPA)

Water quality testing. Dramatically streamlined.

The new Hach® SL1000 Portable Parallel Analyser (PPA) performs common water tests with less than half the manual steps. It produces highly accurate results with less opportunity for errors in a fraction of the time and allows for up to six parameters to be tested simultaneously.

Less variability

Avoid manual steps that can introduce variability, even when performed by experienced testers. Automation and internal temperature control make the entire process consistent and repeatable, while applying the same processes and reagents as current Hach methods.

Less headache

A single instrument combines colorimetric and electrochemical testing in a field kit that requires fewer bulky accessories. There are no powder pillows or glass vials to handle. All chemicals and processes are entirely contained inside the Chemkey.

Faster testing

Perform up to four colorimetric and two probe-based measurements in parallel, and complete the entire test suite in 25% of the time. Improve efficiency by completing more tests on site with faster results.

Chemkey technology

Chemkey reagents contain the same chemicals and execute the same process steps that you have trusted for decades - now delivered in a simple, self-contained package. EPA-approved for reporting of Free and Total Chlorine in drinking water applications.

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