

ANALYTICAL PRODUCTS & SERVICES



WATER ENVIRONMENTAL TESTING International

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Terms & Conditions

Guarantee

We offer an unconditional satisfaction guarantee. If you are not satisfied with our products for whatever reasons, we will issue you a credit.

Prices

Prices are in U.S. dollars FOB our manufacturing facilities, as of publishing date. They are subject to change without prior notice.

Payment Methods

Net 30 days for credit-recognized firms. We accept MasterCard, VISA, Discover and American Express. Transactions must be in U.S. dollars.



Minimum Orders

There is no minimum order requirement. For special orders and labeling, refer to our **Private Labeling Program** below.

Private Labeling Program

We can private label our standard products with your company's name. Your name will be printed on the labels. We can use your artwork or our standard fonts.

Standard Labeling

- on test kits (private labeling on the boxes only)
- on reagents 16 oz and up
- no minimum order required

Special Labeling

- the above Standard Labeling plus the following
- all replacement reagents from 2 oz and up
- minimum order of 24 per item, or a processing fee of \$25 per item (for less than 24 qty)

Standard Products

- standard products refer to products that are listed in the price list

Special Products

- for products not listed in the price list, call us for evaluation

Standard Product Numbers

- standard product numbers refer to the product numbers listed in the price list

Private Label MSDS

- MSDS can be private labeled with your company's name. Please call for details.

Shipping Methods

We generally ship our orders via Fedex Ground. But you can specify the method of preference and we will do our best to accommodate. However, we reserve the right to change the method of shipping when regulations require it or if we consider that the material(s) cannot be shipped safely using the method specified. Shipping and special packaging charges will be added to the invoice.

Claims

If damage occurs during shipment, please report it immediately to the carrier and then to our Customer Service Department. Keep the carton and all packing material for insurance claim purposes. If the damage is visible, please refuse the shipment.

Disclaimer

All expressed and implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose are expressly disclaimed and shall not apply to any product sold or service rendered hereunder. We shall not be liable for any damage sustained by you or any end user of the product or service rendered hereunder.

Our analytical or special reagents are not to be used as cosmetics, drugs, foods or any manufacturing or entertainment process. Applications must be considered and performed by experienced or licensed personnel only.

Testing Methods

Color Match Tests

Color Match Test Methods utilize a block, slide, or card comparator to obtain the results of a colorimetric reaction. This test allows for quick yet accurate results without the need for expensive apparatus.



Drop Count Tests

Drop Count Test Methods use an eyedropper or nasal plug bottles to quickly and accurately test your samples. The number of drops used for the indicator color change is multiplied by a factor to obtain the results. The nasal plug bottle tests are calibrated for 25 ml of sample.



Buret Titration Tests

Buret Titration Test Methods use an automatic (self-zeroing) buret to deliver the titrant. The burets are calibrated at 0.1 ml intervals for accuracy. Results are obtained by multiplying the ml reading by a given factor.

Electronic

Colored products from particular chemical reactions can be accurately measured with an advanced microprocessor-controlled photometer. Conductivity, pH and ORP are measured potentiometrically.



Combination

Include any of the above combinations of tests in a fully customizable kit. Variably sized cases provide room for as few as 2 or as many as 10 different kits in one easy-to-handle unit.

SECTION 3

Individual Parameter Testing Products

Acidity

Drop Count - Eye dropper for 25 ml sample

K-0005/ED	-	Acidity Test Kit, drop count (1 drop=0.5 % HCL as muriatic acid)		
R-2008	4oz		Sodium Hydroxide Solution	
R-1050	2oz		Mixed indicator solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1010/1	each		1cc plastic syringe	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration with sodium hydroxide to the methyl purple end point

Alkalinity

Drop Count – Eye dropper for 25 ml sample

K-0010/ED	-	Alkalinity Test Kit (P), drop count (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)		
R-2010	4oz		Sulfuric Acid solution (specify drop factor)	
R-1070	2oz		Phenolphthalein indicator solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration with sulfuric acid to the phenolphthalein end point

K-0020/ED	-	Alkalinity Test Kit (P & M), drop count, (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)		
R-2010	4oz		Sulfuric Acid solution (specify drop factor)	
R-1070	2oz		Phenolphthalein indicator solution w/nasal plug	
R-1050	2oz		Mixed indicator solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration with sulfuric acid to the phenolphthalein end point for P and to the bromcresol green-methyl red mixed indicator for M

K-0030/ED	-	Alkalinity Test Kit (Total), drop count (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)		
R-2010	4oz		Sulfuric Acid solution (specify drop factor)	
R-1050	2oz		Mixed indicator solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration with sulfuric acid to the bromcresol green-methyl red mixed indicator end point

K-0040/ED	-	Alkalinity Test Kit (OH), drop count (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)		
R-2010	4oz		Sulfuric Acid solution (specify drop factor)	
R-3010	2oz		10% Barium chloride solution w/nasal plug	
R-1070	2oz		Phenolphthalein indicator solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration w/ sulfuric acid to the phenolphthalein end point after carbonate is precipitated w/ barium chloride

K-0042/ED	-	Alkalinity Test Kit (P, M, OH), drop count (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)		
R-2010	4oz		Sulfuric Acid solution (specify drop factor)	
R-1070	2oz		Phenolphthalein indicator solution w/nasal plug	
R-1050	2oz		Mixed indicator solution w/nasal plug	
R-3010	2oz		10% Barium chloride solution w/nasal plug	
P-1045	each		Graduated reaction vial w/cap, 25 ml	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: This test is a combination of tests K-0020 and K-0040. See chemistry of these tests for reference

Alkalinity

Drop Count – Nasal Plug for 10 ml sample

- K-0010/NPB - Alkalinity Test Kit (P), drop count, (1 drop=10, 25 or 50 ppm CaCO₃)- Nasal plug bottle**
- | | | |
|--------|------|---|
| R-2010 | 2oz | Sulfuric Acid solution (specify drop factor) |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| P-1046 | each | Glass test tube, market at 5mL, 1pgg, and 10mL |
| P-1110 | each | Test Kit Box with foam insert and bottom foam pad |
- K-0020/NPB - Alkalinity Test Kit (P & M), drop count, (1 drop=10 and 50 ppm CaCO₃)- Nasal plug bottle**
- | | | |
|-----------|------|---|
| R-2010/10 | 2oz | Sulfuric Acid solution, 1 drop = 10ppm |
| R-2010/50 | 2oz | Sulfuric Acid solution, 1 drop = 50ppm |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-1055 | 2oz | Methyl orange indicator solution |
| P-1046 | each | Glass test tube, market at 5mL, 1pgg, and 10mL |
| P-1110 | each | Test Kit Box with foam insert and bottom foam pad |
- K-0030/NPB - Alkalinity Test Kit (Total), drop count, (1 drop=10 or 50 ppm CaCO₃)- Nasal plug bottle**
- | | | |
|--------|------|---|
| R-9011 | 2oz | Sulfuric acid solution (Specify drop factor) |
| R-1050 | 2oz | Total alkalinity indicator solution |
| P-1046 | each | Glass test tube, market at 5mL, 1pgg, and 10mL |
| P-1110 | each | Test Kit Box with foam insert and bottom foam pad |
- K-0042/NPB - Alkalinity Test Kit (P, M, OH), drop count (1 drop=10, 25, or 50 ppm CaCO₃/25 ml)**
- | | | |
|--------|------|---|
| R-2010 | 2oz | Sulfuric Acid solution (specify drop factor) |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-1050 | 2oz | Mixed indicator solution w/nasal plug |
| R-3010 | 2oz | 10% Barium chloride solution w/nasal plug |
| P-1046 | each | Glass test tube, market at 5mL, 1pgg, and 10mL |
| P-1040 | each | Glass eye dropper, blunt tip w/20mm screw cap |
| P-1110 | each | Test Kit Box with foam insert and bottom foam pad |

Alkalinity

Buret Titration

- K-0300B - Alkalinity Test Kit (P), buret titration (1 ml =20, 40, or 100 ppm CaCO₃ /50 ml)**
- | | | |
|--------|------|---|
| R-2015 | qt | Sulfuric Acid Solution (specify ml factor) |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| P-1037 | each | 250 ml Glass Erlenmeyer flask, wide mouth |
| P-1140 | each | Buret 10 ml bead type w/500 ml reservoir |
- Chemistry: Titration with sulfuric acid to the phenolphthalein end point
- K-0310B - Alkalinity Test Kit (P & M), buret titration (1 ml =20, 40, or 100 ppm CaCO₃ /50 ml)**
- | | | |
|--------|------|---|
| R-2015 | qt | Sulfuric Acid Solution (specify ml factor) |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-1050 | 2oz | Mixed indicator solution w/nasal plug |
| P-1037 | each | 250 ml Glass Erlenmeyer flask, wide mouth |
| P-1140 | each | Buret 10 ml bead type w/500 ml reservoir |
- Chemistry: Titration with sulfuric acid to the phenolphthalein end point for P and to the bromcresol green methyl red mixed indicator for M
- K-0320B - Alkalinity Test Kit (Total), buret titration (1 ml =20, 40, or 100 ppm CaCO₃ /50 ml)**
- | | | |
|--------|------|--|
| R-2015 | qt | Sulfuric Acid Solution (specify ml factor) |
| R-1050 | 2oz | Mixed indicator solution w/nasal plug |
| P-1037 | each | 250 ml Glass Erlenmeyer flask, wide mouth |
| P-1140 | each | Buret 10 ml bead type w/500 ml reservoir |
- Chemistry: Titration with sulfuric acid to the bromcresol green methyl red mixed indicator end point
- K-0330B - Alkalinity Test Kit (OH), buret titration (1 ml =20, 40, or 100 ppm CaCO₃ /50 ml)**
- | | | |
|--------|------|---|
| R-2015 | qt | Sulfuric Acid Solution (specify ml factor) |
| R-3010 | 2oz | 10% Barium chloride solution w/nasal plug |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| P-1037 | each | 250 ml Glass Erlenmeyer flask, wide mouth |
| P-1140 | each | Buret 10 ml bead type w/500 ml reservoir |
- Chemistry: Titration w/ sulfuric acid to the phenolphthalein end point after precipitation of carbonate w/ barium chloride

Aluminum

Color Match (Octet block)

K-3569C - **Aluminum - Color Match, 0 to 0.5 ppm** (50 tests/set)

R-3943LM	each	Aluminum #1, tablets, 50/box
R-3944LM	each	Aluminum #2, tablets, 50/box
P-1055	each	Graduated test tube w/cap, plastic
P-7869	each	Comparator block, for aluminum
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Reaction with Eriochrome cyanide R at pH 6

Ammonia Nitrogen

Color Match (Octa-Slide)

K-3304C - **Ammonia Nitrogen, Salicylate, 0 - 2.0 ppm** (50 tests/set)

R-3978LWT-H	2oz	Salicylate Ammonia #1
R-3979WT-G	1oz	Salicylate Ammonia #2
R-3982WT-G	1oz	Salicylate Ammonia #3
P-1055	each	Graduated test tube w/cap, plastic
P-3441	each	Ammonia octa-slide bar, 0-2.0 ppm
P-1100	each	Octa-Slide viewer
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Salicylate reacts with chloramines to form 5-aminosalicylate which is oxidized to blue indosalicylate

Bacteria/Fungi

Color Match (Dipslide)

BTM2 - **Duo Bio Dipslides (10 tests/box)**

Chemistry: Reduction of Tetraphenyl Tetrazolium Chloride by microbial activity

Bromine See Chlorine/Bromine below

Calcium See Hardness

Chelant

Drop Count – Eye dropper for 25 ml sample

K-0047ED - **Free Chelant Test Kit, drop count (1 drop=1 or 5 ppm EDTA/25ml)**

R-2037	4oz	Magnesium Chloride solution (specify drop factor)
R-1037	2oz	Free chelant indicator buffer solution w/nasal plug
P-1045	Each	Graduated reaction vial w/cap, 25 ml
P-1040	Each	Glass eye dropper, blunt tip w/20 mm screw cap
P-1110	Each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titrations of the free EDTA with magnesium sulfate using calmagite as indicator

K-0048ED - **Total Chelant/Sequestering Test Kit, drop count, 1 drop = 2 ppm TC/25 ml**

R-2039	4oz	Bismuth Nitrate solution (1 drop = 2 ppm EDTA/25ml)
R-1038	30g	Total chelant indicator powder
R-5096	2oz	Total chelant pH adjustor w/nasal plug
P-1075	Each	Plastic scoop, 0.2 gram capacity
P-1045	Each	Graduated reaction vial w/cap, 25 ml
P-1040	Each	Glass eye dropper, blunt tip w/20 mm screw cap
P-1110	Each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titrating of the EDTA and other chelating agents (NTA, Phosphonates) with Bismuth using pyrocatechol as indicator

Chelant

Drop Count – Nasal Plug for 10ml sample

K-0047NPB - **Free Chelant Test Kit, drop count (1 drop=2 or 5 ppm EDTA/25ml)**

R-2037	2oz	Magnesium Chloride solution (specify drop factor)
R-3032	2oz	Hardness buffer solution
R-1032	30g	Hardness indicator powder
P-1046	each	Glass test tube, marked at 5mL, 1pgg, and 10mL
P-1110	Each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titrations of the free EDTA with magnesium sulfate using calmagite as indicator

- K-0048NPB - Total Chelant Test Kit, drop count (1 drop=2 ppm EDTA/25ml)**
- | | | |
|--------|------|---|
| R-2039 | 2oz | Bismuth Nitrate solution (1drop = 2 ppm) |
| R-5096 | 2oz | Total chelant pH adjustor |
| R-1038 | 30g | Total chelant indicator powder |
| P-1075 | Each | Plastic scoop, 0.2 gram capacity |
| P-1046 | each | Glass test tube, market at 5mL, 1gpg, and 10mL |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Titrating of the EDTA and other chelating agents (NTA, Phosponates) with Bismuth using pyrocatechol as indicator

Chloride/Sodium Chloride

Drop Count – Eye dropper for 25ml sample

- K-0050ED - Chloride/ Sodium Chloride Test Kit, drop count (Boiler) (1 drop=5 or 10 ppm Cl/25 ml)**
- | | | |
|--------|------|---|
| R-2020 | 4oz | Silver Nitrate solution (specify drop factor) |
| R-3040 | 2oz | Hydrogen peroxide solution w/nasal plug |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-4050 | 2oz | Sulfuric acid pH neutralizing solution w/nasal plug |
| R-1080 | 2oz | Potassium chromate indicator solution w/nasal plug |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Argentometric (Silver nitrate) using sulfite suppressor and pH neutralizing solutions

- K-0060ED - Chloride/ Sodium Chloride Test Kit, drop count (1 drop=5 or 10 ppm Cl/25 ml)**
- | | | |
|--------|------|--|
| R-2020 | 4oz | Silver Nitrate solution (specify drop factor) |
| R-1080 | 2oz | Potassium chromate indicator solution w/nasal plug |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Argentometric (Silver nitrate) using sodium chromate indicator

Chloride/Sodium Chloride

Drop Count – Nasal Plug for 10 ml sample

- K-0050NPBB - Chloride/ Sodium Chloride Test Kit, high pH waters, drop count (1 drop=10,25,50,100, 500 ppm Cl/10 ml)**
- | | | |
|-----------|------|--|
| R-2020 | 2oz | Silver Nitrate solution |
| R-3040 | 2oz | Hydrogen peroxide solution w/nasal plug |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-9011/50 | 2oz | Sulfuric acid solution 0.6N |
| R-1080 | 2oz | Potassium chromate indicator solution w/nasal plug |
| P-1046 | each | Glass test tube, market at 5mL, 1gpg, and 10mL |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |
| P-1010/1 | Each | 1cc Plastic Syringe |

Chemistry: Argentometric (Silver nitrate) using sulfite suppressor and pH neutralizing solutions

- K-0060NPB - Chloride/ Sodium Chloride Test Kit, neutral waters, drop count (1 drop=10,25,50,100, 500 ppm Cl/10 ml)**
- | | | |
|----------|------|--|
| R-2020 | 2oz | Silver Nitrate solution |
| R-1080 | 2oz | Potassium chromate indicator solution w/nasal plug |
| P-1046 | Each | Glass test tube, market at 5mL, 1gpg, and 10mL |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |
| P-1010/1 | Each | 1cc Plastic Syringe |

Chemistry: Argentometric (Silver nitrate) using sodium chromate indicator

Chloride/Sodium Chloride

Buret Titration

- K-0340B - Chloride Test Kit, buret titration, for Boiler Water (1 ml =10 or 20 ppm Cl /50 ml)**
- | | | |
|--------|------|---|
| R-2025 | Qt | Silver Nitrate titrating solution (specify ml factor) |
| R-1070 | 2oz | Phenolphthalein indicator solution w/nasal plug |
| R-3040 | 2oz | Hydrogen peroxide solution w/nasal plug |
| R-4050 | 2oz | Sulfuric acid pH neutralizing solution w/nasal plug |
| R-1080 | 2oz | Potassium Chromate indicator solution w/nasal plug |
| P-1088 | Each | 140 ml Porcelain casserole |
| P-1140 | Each | Buret 10 ml bead type w/500 ml reservoir |

- K-0350B** - Chemistry: Argentometric (Silver nitrate) using sulfite suppressor and pH neutralizing solutions
Chloride Test Kit, buret titration (1 ml =10 or 20 ppm Cl /50 ml)
- | | | |
|--------|------|---|
| R-2025 | Qt | Silver Nitrate titrating solution (specify ml factor) |
| R-1080 | 2oz | Potassium Chromate indicator solution w/nasal plug |
| P-1088 | Each | 140 ml Porcelain casserole |
| P-1140 | Each | Buret 10 ml bead type w/500 ml reservoir |

Chemistry: Argentometric (Silver nitrate) using sodium chromate indicator

Chlorine

Drop Count – Eye dropper for 25 ml sample

- K-0071ED** - **Free Chlorine Test Kit, LR (1 drop = 0.2 Cl₂/25ml)**
- | | | |
|-----------|------|---|
| R-2023 | 4oz | Ferrous Ammonium Sulfate solution (1drop=0.2 ppm Cl ₂ / 25 ml) |
| R-230-01P | 20g | DPD-1 Free chlorine reagent powder |
| P-1075 | Each | Plastic scoop, 0.2 gram capacity |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20 mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Titration of chlorine with Ferrous Ammonium Sulfate using DPD as indicator
 Benefits: Reagent dissolve quicker than tablets

- K-0072ED** - **Total Chlorine Test Kit HR, drop count, 1 drop = 5 or 10 ppm Cl₂/25ml**
- | | | |
|--------|------|---|
| R-2022 | 4oz | Sodium Thiosulfate solution (specify drop factor) |
| R-3022 | 2oz | Chlorine reagent 1HR w/nasal plug |
| R-4022 | 2oz | Chlorine reagent 2HR w/nasal plug |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20 mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Chlorine reacts with iodide in acid media to produce iodine, which is titrated with sodium thiosulfate using starch as indicator. Color changes from brown-blue to colorless

- K-0073ED** - **Total Chlorine Test Kit, LR (1 drop = 0.2 Cl₂/25ml)**
- | | | |
|-----------|------|---|
| R-2023 | 4oz | Ferrous Ammonium Sulfate solution (1drop=0.2 ppm Cl ₂ / 25 ml) |
| R-230-02P | 20g | DPD-2 Total chlorine reagent powder |
| P-1075 | Each | Plastic scoop, 0.2 gram capacity |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20 mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Titration of chlorine with Ferrous Ammonium Sulfate using DPD as indicator
 Benefits: Reagent dissolve quicker than tablets

- K-0074ED** - **Free & Total Chlorine Test Kit, LR (1 drop = 0.2 Cl₂/25ml)**
- | | | |
|-----------|-------|--|
| R-2023 | 4oz | Ferrous Ammonium Sulfate solution(1drop=0.2 ppm Cl ₂ / 25 ml) |
| R-230-01P | 20g | DPD-1 free chlorine reagent powder |
| R-230-02P | 20g | DPD-2 total chlorine reagent powder |
| P-1075 | 2each | Plastic scoop, 0.2 gram capacity |
| P-1045 | Each | Graduated reaction vial w/cap, 25 ml |
| P-1040 | Each | Glass eye dropper, blunt tip w/20 mm screw cap |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Titration of chlorine with Ferrous Ammonium Sulfate using DPD as indicator
 Benefits: Reagent dissolve quicker than tablets

Chlorine

Drop Count – Nasal Plug for 10 ml sample

- K-0074NPB** - **Free & Total Chlorine Test Kit, FAS-DPD, LR (1 drop = 0.2 or 0.5 ppm Cl₂), Nasal Plug Bottle**
- | | | |
|-----------|--------|---|
| R-9085 | 2x 2oz | Ferrous Ammonium Sulfate solution |
| R-230-01P | 20g | DPD-1 free chlorine reagent powder |
| R-230-02P | 20g | DPD-2 total chlorine reagent powder |
| P-1075 | Each | Plastic scoop, 0.2 gram capacity |
| P-1046 | Each | Glass test tube, market at 5mL, 1gpg, and 10mL |
| P-1010/10 | Each | 10cc Plastic syringe |
| P-1110 | Each | Test Kit Box with foam insert and bottom foam pad |

Chemistry: Titration of chlorine with Ferrous Ammonium Sulfate using DPD as indicator
 Benefits: Reagent dissolve quicker than tablets

K-0072NPB - Total Chlorine Test Kit HR, drop count, 1 drop = 5 or 10 ppm Cl₂, Nasal Plug Bottle

R-2022	2oz	Sodium Thiosulfate solution
R-3021	2oz	Chlorine reagent 1H w/nasal plug
R-4022	2oz	Chlorine reagent 2H w/nasal plug
R-1041	2oz	Starch indicator solution
P-1046	Each	Glass test tube, market at 5mL, 1gpg, and 10mL
P-1110	Each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Chlorine reacts with iodide in acid media to produce iodine, which is titrated with sodium thiosulfate using starch as indicator. Color changes from brown-blue to colorless

Chlorine/Bromine

Color Match (Octa-slide)

K-0070C - Chlorine/Bromine Test Kit (free and total), Color Match, powder pillow, (0.1 to 6.0 ppm)

R-230-01PP	50PP	DPD-1 Free chlorine reagent powder pillows
R-230-02PP	50PP	DPD-2 Total chlorine reagent powder pillows
P-1030	Each	Comparator slide 0.1 to 1.0 ppm
P-1035	Each	Comparator slide 1.0 to 6.0 ppm
P-1090	Each	Slide base, for Chlorine/ Bromine
P-1055	Each	Graduated test tube w/cap, plastic

Chemistry: DPD Colorimetric. R-230-02PP contains iodine to react the combined chlorine, and DPD indicator
Benefits: Powder reagent dissolves faster than tablets

Chromium See section on Colorimeter

Conductivity

Equipment



512M5	Conductivity Meter, Myron L 0 to 5,000 uS
EP-10	Conductivity Meter, Myron L 0 to 10,000 uS Multi-Range
P-COM-1000	EC, TDS, Temperature meter

Conductivity

Calibrating Solutions

R-7010/gal/1000	Conductivity solution 1,000 uS (as KCl)
R-7010/pt/1000	Conductivity solution 1,000 uS (as KCl)
R-7010/qt/1000	Conductivity solution 1,000 uS (as KCl)
R-7010/4oz/1000	Conductivity solution 1,000 uS (as KCl)
R-7010/gal/2000	Conductivity solution 2,000 uS (as KCl)
R-7010/pt/2000	Conductivity solution 2,000 uS (as KCl)
R-7010/qt/2000	Conductivity solution 2,000 uS (as KCl)
R-7010/4oz/2000	Conductivity solution 2,000 uS (as KCl)
R-7010/gal/3000	Conductivity solution 3,000 uS (as KCl)
R-7010/pt/3000	Conductivity solution 3,000 uS (as KCl)
R-7010/qt/3000	Conductivity solution 3,000 uS (as KCl)
R-7010/4oz/3000	Conductivity solution 3,000 uS (as KCl)
R-7040/gal/1000	Conductivity solution 1,000 uS (as 442)
R-7040/pt/1000	Conductivity solution 1,000 uS (as 442)
R-7040/qt/1000	Conductivity solution 1,000 uS (as 442)
R-7040/gal/2000	Conductivity solution 2,000 uS (as 442)
R-7040/pt/2000	Conductivity solution 2,000 uS (as 442)
R-7040/qt/2000	Conductivity solution 2,000 uS (as 442)
R-7040/gal/3000	Conductivity solution 3,000 uS (as 442)
R-7040/pt/3000	Conductivity solution 3,000 uS (as 442)
R-7040/qt/3000	Conductivity solution 3,000 uS (as 442)

Conductivity

R-4055/2oz	Conductivity neutralizing solution
R-4055/4oz	Conductivity neutralizing solution
R-4055/4oz/ed	Conductivity neutralizing solution w/eye dropper
R-4055/pt	Conductivity neutralizing solution
R-4055/qt	Conductivity neutralizing solution
R-4055/gal	Conductivity neutralizing solution

Neutralizing Solutions

Corrosion See section under Analytical Services

Copper See section on Colorimeter

Filtration

Kit and accessories

K-0160 - Filtration Kit for particles and bacteria (Basic equipment only)

P-1010/50	Each	50cc plastic syringe Luer Lok tip
P-1070	Each	Filter housing, 2.5 cm, Luer-Lok
Select filtration media		
P-1005	100/box	Filter paper, 2.5 cm, 2.5 microns
P-1007	100/box	Filter membrane, 2.5 cm, 0.45 microns

The basic kit consists of a syringe and a filter housing. Select filtration media as required by your application

Fluoride

Drop Count – Nasal Plug for 10mL sample

KWC-0146B - Fluoride Test Kit, Drop Count, with Plastic Case (1 drop = 0.2 ppm)

RW-2062	2oz	Fluoride Titrating Solution
RW-1090	2oz	Fluoride Indicator Solution
RW-4042	2oz	Fluoride pH Adjuster
PW-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
PW-1110	Each	Test Kit Box with foam insert and bottom foam pad

Hardness

Drop Count – Eye dropper for 25mL sample

K-0080ED - Hardness Test Kit (Total), with HIBP, drop count (1 drop=1, 10, or 25 ppm CaCO₃/25 ml)

R-2030	4oz	EDTA Solution (specify drop factor)
R-1030	30g	Hardness indicator buffer powder (Calmagite)
P-1045	Each	Graduated reaction vial w/cap, 25 ml
P-1040	Each	Glass eye dropper, blunt tip w/20mm screw cap
P-1075	Each	Plastic scoop, 0.2 gram capacity
P-1110	Each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration of Calcium and Magnesium with EDTA using calmagite as indicator in a buffer powder mix

K-0081ED - Hardness Test Kit (Total) with HIBS, drop count (1 drop=1, 10, or 25 ppm CaCO₃/25 ml)

R-2030	4oz	EDTA solution (specify drop factor)
R-1035	2oz	Hardness indicator buffer solution (Calmagite)
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration of Calcium and Magnesium with EDTA using calmagite as indicator. Indicator and buffers are combined in one easy-to-use liquid reagent

K-0082ED - Hardness Test Kit (Total), with HIBP, drop count (1 drop=1 gpg CaCO₃/25 ml)

R-2032	4oz	EDTA solution 1 drop=1 gpg/25 ml
R-1030	30g	Hardness indicator buffer powder (Calmagite)
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration of Calcium and Magnesium with EDTA using calmagite as indicator in a buffer powder mix

K-0090ED - Hardness Test Kit (Calcium), drop count (1 drop= 1, 10, or 25 ppm CaCO₃/25 ml)

R-2030	4oz	EDTA solution (specify drop factor)
R-4010	2oz	Calcium hardness buffer solution w/nasal plug
R-1010	30g	Calcium indicator powder
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration with EDTA of Calcium using Eriochrome blue blak R as indicator

K-0100ED - Hardness Test Kit (Total & Calcium), drop count (1 drop=1, 10, or 25 ppm CaCO₃/25 ml)

R-2030	4oz	EDTA solution (specify drop factor)
R-1030	30g	Hardness indicator buffer powder (Calmagite)
R-4010	2oz	Calcium hardness buffer solution w/nasal plug
R-1010	30g	Calcium indicator powder
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: A combination of tests K-0080 and K-0090. See these kits for chemical methodologies

Hardness

Drop Count – Nasal Plug for 10 ml sample

K-0198NPBB - Hardness Test Kit (Total), drop count (1 drop=2 and 10 ppm CaCO₃), Nasal Plug Bottle

R-2030	4oz	EDTA solution (1 drop = 2)
R-2030	4oz	EDTA solution (1 drop = 10)
R-1030	30g	Hardness Indicator Buffer Powder (Calmagite)
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
P-1110	each	Test Kit Box with foam insert

K-0199NPB - Hardness Test Kit (Total), drop count (1 drop=10 ppm CaCO₃), Nasal Plug Bottle

R-2030	4oz	EDTA solution (1 drop = 10)
R-1030	30g	Hardness Indicator Buffer Powder (Calmagite)
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
P-1110	each	Test Kit Box with foam insert

K-0188NPB - Hardness Test Kit (Calcium, Magnesium & Total), drop count (1 drop=10 ppm CaCO₃), Nasal Plug Bottle

R-2030	4oz	EDTA solution (1 drop = 10)
R-4010	2oz	Calcium buffer solution
R-1010	30g	Calcium indicator powder
R-1030	30g	Hardness Indicator Buffer Powder (Calmagite)
P-1075	2each	Plastic scoop, 0.2 gram capacity
P-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
P-1110	each	Test Kit Box with foam insert

K-0187NPB - Hardness Test Kit (Calcium, & Total), drop count (1 drop=2 and 10 ppm CaCO₃), Nasal Plug Bottle

R-2030	4oz	EDTA solution (1 drop = 10)
R-2030	4oz	EDTA solution (1 drop = 2)
R-4010	2oz	Calcium buffer solution
R-1010	30g	Calcium indicator powder
R-1030	30g	Hardness Indicator Buffer Powder (Calmagite)
P-1075	2each	Plastic scoop, 0.2 gram capacity
P-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
P-1110	each	Test Kit Box with foam insert

K-0192NPB - Hardness Test Kit (Calcium), drop count (1 drop= 10 ppm CaCO₃), Nasal Plug Bottle

R-2030	4oz	EDTA solution (1 drop = 10)
R-4010	2oz	Calcium buffer solution
R-1010	30g	Calcium indicator powder
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1060	Ea	Glass test tube marked at 5ml, 1pgg, and 10ml
P-1110	each	Test Kit Box with foam insert

Hardness

Buret Titration

K-0360B - Hardness Test Kit (Total), buret titration (1 ml =20 or 50 ppm CaCO₃ /50 ml)

R-2035	qt	EDTA solution (specify ml factor)
R-1030	30g	Hardness indicator buffer powder (Calmagite)
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1037	each	250 ml Glass Erlenmeyer Flask, wide mouth
P-1140	each	Buret 10 ml bead type w/500 ml reservoir

Chemistry: Titration of Calcium and Magnesium with EDTA using calmagite as indicator

K-0365B - Hardness Test Kit (Calcium), buret titration (1 ml =20 or 50 ppm CaCO₃ /50 ml)

R-2035	qt	EDTA solution (specify ml factor)
R-4010	2oz	Calcium hardness buffer solution w/nasal plug
R-1010	30g	Calcium indicator powder
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1037	each	250 ml Glass Erlenmeyer Flask, wide mouth
P-1140	each	Buret 10 ml bead type w/500 ml reservoir

Chemistry: Titration with EDTA of Calcium using Eriochrome blue blak R as indicator

K-0370B - Hardness Test Kit (Total & Calcium), buret titration (1 ml =20 or 50 ppm CaCO₃ /50 ml)

R-2035	qt	EDTA solution (specify ml factor)
R-1030	30g	Hardness indicator buffer powder (Calmagite)
R-4010	2oz	Calcium hardness buffer solution w/nasal plug
R-1010	30g	Calcium indicator powder
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1037	each	250 ml Glass Erlenmeyer Flask, wide mouth
P-1140	each	Buret 10 ml bead type w/500 ml reservoir

Chemistry: A combination of tests K-0360 and K-0365. See these kits for chemical methodologies

Iron

Color Match

K-0110B - Iron Test Kit, Color Match (0 to 10 ppm Fe), Octet block

R-5010	2oz	Iron reagent 1
R-5020	15g	Iron reagent 2
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1050	2each	Graduated test tube w/cap, 5ml glass
P-1020	each	Comparator block, for iron
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Ferrous iron reacts with 2,2'dipyridyl to form a red colored complex. Ferric iron is reduced to ferrous to test total iron.

KWC-0110E - Iron Test Kit, Color Match, RT, in cardboard box (0 to 5 ppm Fe)

RW-280-05	Pk/50	Iron Reagent Powder Pillows
PW-5010	Ea	Iron Comparator, RT
PW-1111	Ea	Cardboard box

Manganese

Color Match

KWC-0115E - Manganese Test Kit, Color Match, RT in cardboard box

RW-8307	Pk/50	Manganese HR #1 Reagent
RW-8309	Pk/50	Manganese HR#2 Reagent
PW-5014	Ea	Manganese Comparator, RT
PW-1080	Ea	Graduated Reaction Vial, 25ml
PW-1111	Ea	Cardboard Box

Molybdenum/Molybdate

Drop Count - Eye dropper for 25ml sample

K-0120ED - Molybdenum Test Kit, drop count (1 drop=2, 5, or 20 ppm Mo/25 ml)

R-2040	4oz	Citric Acid solution (specify drop factor)
R-4030	2oz	Molybdenum buffer solution w/nasal plug
R-1060	2oz	Molybdenum indicator solution w/nasal plug
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration of molybdenum with citric acid using and internal indicator system

Molybdenum/Molybdate

Color Match (Octet block)

K-0125C	-	Molybdate/Sodium Molybdate Test Kit, Color Match (0 to 10 ppm Na₂MoO₄)		
R-5094	2oz		Sodium molybdate acid reagent w/nasal plug	
R-5092	15g		Sodium molybdate reagent powder	
P-1075	each		Plastic scoop, 0.2 gram capacity	
P-1050	2each		Graduated test tube w/cap, 5ml glass	
P-1026	each		Comparator block, for sodium molybdate	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Reaction of molybdate with o-xantic acid in acidic conditions.

Nitrate/ Nitrite

Color Match

K-3519C	-	Nitrate/Nitrite Test Kit, color match (0.5 – 10 ppm Nitrate N)		
R-LM6278-J	4oz		Acid reagent with dispensing cap	
R-LM6279-C	10g		Nitrate reducing reagent	
R-LM6281-C	10g		Color developing reagent	
P-0820	2each		Graduated test tube w/cap, 2.5 and 5 ml glass	
P-3109	each		Octet comparator, for nitrogen-nitrate	
P-1075	2each		Plastic scoop, 0.2 gram capacity	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Cadmium reduction method.

KWC-0201E	-	Nitrate Test Kit, Color Match, RT in cardboard box		
RW-8316PP	Pk/50		Nitrate Reagent Powder Pillows	
PW-5018	Ea		Nitrate Comparator, RT	
P-1111	Ea		Cardboard Box	

Nitrite/Sodium Nitrite

Drop Count- Eye dropper for 25 mL sample

K-0130ED	-	Nitrite/ Sodium Nitrite Test Kit, drop count (1 drop=25, 50, or 100 ppm NO₂/5 ml)		
R-2050	4oz		Ceric Ammonium Nitrate solution (specify drop factor)	
R-1020	2oz		Ferriin indicator solution	
P-1046	each		Graduated reaction vial glass, 5ml, 1gpg and 10ml marks	
P-1040	each		Glass eye dropper, blunt tip w/20mm screw cap	
P-1110	each		Test Kit Box with foam insert and bottom foam pad	

Chemistry: Titration with Ceric Ammonium Nitrate (CAN) using 1,10 phenanthroline as indicator.

Nitrite/Sodium Nitrite

Drop Count- Nasal Plug for 10mL sample

K-0132NPB	-	Nitrite/ Sodium Nitrite Test Kit, drop count (1 drop= 50 ppm NO₂), Nasal Plug Bottle		
R-2051	2oz		Ceric Ammonium Nitrate solution	
R-1020	2oz		Ferriin indicator solution	
P-1046	each		Graduated reaction vial glass, 5ml, 1gpg and 10ml marks	
P-1110	each		Test Kit Box with foam insert	

Chemistry: Titration with Ceric Ammonium Nitrate (CAN) using 1,10 phenanthroline as indicator.

Nitrite/Sodium Nitrite

Buret Titration

K-0375B	-	Nitrite Test Kit, buret titration (1 ml =50 ppm NO₂/50 ml)		
R-2055	qt		Ceric Ammonium Nitrate solution	
R-1020	2oz		Ferriin indicator solution	
P-1037	each		250 ml Glass Erlenmeyer flask, wide mouth	
P-1140	each		Buret 10 ml bead type w/500 ml reservoir	

Chemistry: Titration with Ceric Ammonium Nitrate (CAN) using 1,10 phenanthroline as indicator.

Organophosphonate

See Phosphonate

ORP

ORP powder pillows are unique products to facilitate calibration and check electrode span
The main advantages are: stability of the reagent and no hazardous chemicals

P-ORP-200	-	Waterproof ORP Meter
ORP-6020PP	-	pH 4.01 Quinhydrone ORP Powder Pillows
ORP-6040PP	-	pH 7.00 Quinhydrone ORP Powder Pillows



Equipment

pH

Color Match (Octet block)

K-0182C-CR - pH Test Kit Cresol Red, Color Match (7.2 to 8.6)

R-1065-CR	2oz	Cresol red indicator solution w/nasal plug
P-1050	2each	Graduated test tube w/cap, 5ml glass
P-1018	each	Comparator block, for cresol red
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Color dependency of the cresol red indicator on the solution's pH

K-0182C-PR - pH Test Kit Phenol Red, Color Match (6.8 to 8.2)

R-1065-PR	2oz	Phenol red indicator solution w/nasal plug
P-1050	2each	Graduated test tube w/cap, 5ml glass
P-1022	each	Comparator block, for phenol red
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Color dependency of the phenol red indicator on the solution's pH

K-0182C-TB - pH Test Kit Thymol Blue, Color Match (8.0 to 9.4)

R-1065-TB	2oz	Thymol blue indicator solution w/nasal plug
P-1050	2each	Graduated test tube w/cap, 5ml glass
P-1027	each	Comparator block, for thymol blue
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Color dependency of the thymol blue indicator on the solution's pH

K-0182C-WR - pH Test Kit Wide Range, Color Match (3.0 to 10.0)

R-1065-WR	2oz	Wide range indicator solution w/nasal plug
P-1050	2each	Graduated test tube w/cap, 5ml glass
P-2192	each	Comparator block, for wide range 3-10
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Color dependency of the mixed indicator on the solution's pH

pH

Equipment

P-PH-200	-	Waterproof pH/Temp meter, 0-14 pH
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pH

Calibrating Solutions & Powder Pillows

Powder pillows are to prepare 100 ml of pH buffer solution. The main benefits are extended stability and avoidance on biological contamination. They are not affected by temperature and moisture

R-6020/gal	-	pH 4.00 Standard buffer solution (red colored)
R-6020/pt	-	pH 4.00 Standard buffer solution (red colored)
R-6020/qt	-	pH 4.00 Standard buffer solution (red colored)
R-6040/gal	-	pH 7.00 Standard buffer solution (yellow colored)
R-6040/pt	-	pH 7.00 Standard buffer solution (yellow colored)
R-6040/qt	-	pH 7.00 Standard buffer solution (yellow colored)
R-6060/gal	-	pH 10.00 Standard buffer solution (blue colored)
R-6060/pt	-	pH 10.00 Standard buffer solution (blue colored)
R-6060/qt	-	pH 10.00 Standard buffer solution (blue colored)
R-6020PP/50	-	pH 4.00 Powder Pillows (red colored)
R-6040PP/50	-	pH 7.00 Powder Pillows (yellow colored)
R-6040PP/50	-	pH 10.00 Powder Pillows (blue colored)



pH

EM-9590-3	-	pH Indicator Strips, 0-14, 100/bx
0400	-	pH Paper, 1-12 pHydriion
0409	-	pH Roll, 1-13 pHydriion

Paper (Rolls and Strips)



Phosphate

Color Match (Octet Comparator)

K-0160C - Ortho Phosphate Test Kit, Color Match (0-10 ppm PO₄)- Octet Comparator

P-1042	Each	Glass Eye Dropper, 0.5 & 1.0 ml, 20mm screw cap
P-1050	2 each	Graduated test tube w/cap, 5ml glass
P-1023	each	Comparator block, for ortho phosphate
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Reduction of phospho-molybdo-vanadate complex with stannous chloride

Phosphonate

Drop Count - Eye dropper for 25mL sample

K-0142ED - Organophosphonate Test Kit II, drop count (1 drop=1 ppm HEDP/25 ml)

R-2060	4oz	Phosphonate titrating solution
R-4041	2oz	Concentrated Buffer Solution
R-1094	2oz	Organophosphonate pH indicator solution w/nasal plug
R-1093	2oz	Xylenol orange indicator solution
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration using modified Xylenol Orange as indicator. The ternary complex produces better sensitivity than the indicator alone and allows for the unique feature of detecting over titration. **No pH paper needed!**

Phosphonate

Drop Count - Nasal Plug for 10mL sample

K-0144NPB - Organophosphonate Test Kit, drop count, (1 drop=1 ppm HEDP), 10 ml sample, Nasal Plug Bottle

R-2060	2oz	Phosphonate titrating solution
R-4041	2oz	Concentrated Buffer Solution
R-1094	2oz	Organophosphonate pH indicator solution w/nasal plug
R-1093	2oz	Xylenol orange indicator solution
P-1046	each	Graduated reaction vial glass, 5ml, 1ppg and 10ml marks
P-1110	each	Test Kit Box with foam insert

Chemistry: Titration with Thorium Nitrate using modified Xylenol Orange as indicator. The ternary complex produces better sensitivity than the indicator alone and allows for the unique feature of detecting over titration. **No pH paper needed!**

K-0145 - Organophosphonate, Accessory Kit

K-0150	each	Suppressor kit for organophosphonate
K-0160	each	Filtration kit for drop test kit
P-1110	each	Test Kit Box with foam insert and bottom foam pad

K-0150 - Organophosphonate, Suppressor Kit

R-3050	2oz	Sulfate suppressor solution w/nasal plug
R-3020	2oz	Chlorine/Bromine suppressor solution w/nasal plug
R-3030	2oz	Fluoride suppressor solution w/nasal plug

Chemistry: Suppression of Sulfate, Chlorine and Fluoride with Barium, Thiosulfate and Berillium respectively

Polymer

Color Match (Turbidimetric)

K-0186 - Polymer Test Kit, Turbidimetric/Electronic – 100 tests per set of reagents

R-5040	2oz	Polymer Reagent #1
R-5041	2oz	Polymer Reagent #1A
R-5042	2oz	Polymer Reagent #2
SC450-530-INST	Ea	SC450 Colorimeter

Chemistry: Neutralization of polymeric charges with a cationic surfactant. Turbidity is proportional to polymer concentration

K-0188 - Polymer Test Kit, Turbidimetric/Electronic - 100 tests per set of reagents

R-5040	2oz	Polymer Reagent #1
R-5041	2oz	Polymer Reagent #1A
R-5042	2oz	Polymer Reagent #2
HI721	each	Colorimeter, hand held w/batteries and reaction vials
P-1010/1	each	1cc plastic syringe
P-1042	2each	Glass eye dropper, marked at 0.5 & 1.0 ml, 20/400
P-1155	each	Carrying case with foam inserts

Chemistry: Neutralization of polymeric charges with a cationic surfactant. Turbidity is proportional to polymer concentration

Silica**Color Match (Octet block)****K-0190C - Silica Test Kit, Color Match (0.5 to 10 ppm SiO₂)**

R-5060	2oz	Silica Reagent #1 w/nasal plug
R-5070	2oz	Silica Reagent #2 w/nasal plug
R-5080	2oz	Silica Reagent #3 w/nasal plug
R-5090	2oz	Silica Reagent #4
P-1050	2each	Graduated Test Tube w/cap, 5ml glass
P-1025	each	Comparator Block, for Silica
P-1110	each	Test Kit Box with foam insert and bottom foam pad
P-1042	Each	Glass Eye Dropper, 0.5 & 1.0 ml, 20mm screw cap

Chemistry: Reduction with stannous chloride of the silico-molybdovanadate complex

Sulfide**Color Match****KWC-4456B - Sulfide Test Kit, Color Match (0.2 to 5.0 ppm)**

RW-4458	1oz	Sulfide Reagent #1
RW-4459	1oz	Sulfide Reagent #2
RW-4460	2oz	Sulfide Reagent #3
R-5090	2oz	Silica Reagent #4
P-1046	each	Graduated reaction vial glass, 5ml, 1gpg and 10ml marks
PW-4457	each	Comparator Block for Sulfide, RT
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Sulfite/Sodium Sulfite**Drop Count - Eye dropper for 25ml Sample****K-0200ED - Sulfite/ Sodium Sulfite Test Kit, drop count (1 drop=2, 5, or 10 ppm SO₃/25 ml)**

R-2070	4oz	Potassium Iodide/Iodate Solution (specify drop factor)
R-1070	2oz	Phenolphthalein indicator solution w/nasal plug
R-1040PP/50	Pk	Starch acid indicator powder pillows
P-1045	each	Graduated reaction vial w/cap, 25 ml
P-1040	each	Glass eye dropper, blunt tip w/20mm screw cap
P-1110	each	Test Kit Box with foam insert and bottom foam pad

Chemistry: Titration with Potassium Iodide/Iodate using starch acid indicator

Sulfite/Sodium Sulfite**Drop Count - Nasal Plug for 10 ml sample****K-0254NPB - Sulfite/Sodium Sulfite Test Kit, drop count (1drop=2,5, and 10 ppm SO₃), Nasal Plug Bottle**

R-9073/10	2oz	Potassium Iodide/Iodate Solution (1=10 Na ₂ SO ₃)
R-9073/2	2oz	Potassium Iodide/Iodate Solution (1=2 Na ₂ SO ₃)
R-1040PP/50	Pk	Starch acid indicator powder pillows
R-1070	2oz	Phenolphthalein indicator solution
P-1075	each	Plastic scoop, 0.2 gram capacity
P-1046	each	Graduated reaction vial glass, 5ml, 1gpg and 10ml marks
P-1110	each	Test Kit Box with foam insert

Benefits: Eliminate or reduce hazardous shipping. Less steps. Multi range allows to test from low to high sulfite with one kit

Sulfite/Sodium Sulfite

Buret Titration

K-0380B - Sulfite Test Kit, buret titration (1 ml =10 or 20 ppm SO₃ /50 ml)

R-2075	4oz	Potassium Iodide/Iodate Solution (specify ml factor)
R-1070	2oz	Phenolphthalein indicator solution w/nasal plug
R-1040PP/50	Pk	Indicator acid powder pillows
P-1037	each	250 ml Glass Erlenmeyer Flask, wide mouth
P-1080	each	Plastic scoop, 1.5 cc capacity
P-1140	each	Buret 10 ml bead type w/500 ml reservoir

Chemistry: Titration with Potassium Iodide/Iodate using starch acid indicator

Tannin

Colorimeter

KWC-4460E - Tannin-Lignin Test Kit, Color Match

RW-4097	½ oz	Tannin-Lignin Reagent #1
RW-4098	2oz	Tannin-Lignin Reagent #2
PW-5034	Ea	Tannin-Lignin Comparator, RT
PW-1111	each	Cardboard box with instructions

Combination Test Kits



P-1155

P-1154

P-1152

P-1152	Combo Box w/Foam Inserts, add individual test kits and equipment as needed Outside dimensions: 17 1/2"x10 1/2"x 8 1/2". Low form for easy access to the reagents. Accommodates 7-9 test kits either glass eye dropper or NPB
P-1154	Combo Box w/Foam Inserts, add individual test kits and equipment as needed Outside dimensions: 14 1/2"x7 1/2 "x7". The clear choice when fewer kits are needed. Accommodates around 5 test kits either glass eye dropper or NPBB
P-1155	Combo Box w/Foam Inserts, add individual test kits and equipment as needed Outside dimensions: 12 1/8"x7 1/4"x 5 1/2". Low form for easy access to the reagents. Accommodates 3-4 test kits NPB and color match

SECTION 4

Reagents in Powder Pillows

Product Code	Description
R-230-01PP/100	Chlorine, free- DPD, 0-2 mg/L, Powder Pillows, pack of 100
R-230-01PP/50	Chlorine, free- DPD, 0-2 mg/L, Powder Pillows, pack of 50
R-230-02PP/100	Chlorine, total- DPD, 0-2 mg/L, Powder Pillows, pack of 100
R-230-02PP/50	Chlorine, total- DPD, 0-2 mg/L, Powder Pillows, pack of 50
R-250-03/100	Copper reducing reagent powder pillows (hydrosulfite), pack of 100
R-259-00/100	Copper Total Bicinchoninate, pack of 100
R-251-00/100	Copper Total Bicinchoninate powder pillows, pack of 100
R-250-00/100	Copper, free, chelated and total (with digestion)- Bicinchoninate, 0-3 mg/L, 100 tests
R-1030PP/100	Hardness Indicator Buffer, powder pillows, pack of 100
R-280-05/100	Iron, Total Reagent powder pillows, pack of 100 (5mL sample size)
R-280-10/100	Iron, total dissolved- 1,10 Phenanthroline, 0-3 mg/L, pack of 100 (10mL sample size)
R-6020PP/50	pH Buffer 4.0 Powder Pillows, Color coded red, 100 ml, pack of 50
R-6040PP/50	pH Buffer 7.0 Powder Pillows, Color coded yellow, 100 ml, pack of 50
R-6060PP/50	pH Buffer 10.0 Powder Pillows, Color coded blue, 100 ml, pack of 50
ORP-6020PP/100	Quinhydrone pH 4.0 Buffer (ORP 237-291 mV), Color coded red, 100ml, pack of 100
ORP-6040PP/100	Quinhydrone pH 7.0 Buffer (ORP 67-111 mV), Color coded yellow, 100ml, pack of 100
R-1040PP/100	Starch Acid Indicator Powder Pillows, pack of 100
R-1040PP/50	Starch Acid Indicator Powder Pillows, pack of 50

SECTION 5

Analytical Services

Corrosion Coupons and Evaluation

P-C1010 Corrosion Coupon, Mild Steel
 P-CDA110 Corrosion Coupon, Copper
 P-HD-Galv Corrosion Coupon, Galvanized
 P-Zinc Corrosion Coupon, Zinc

P-Al Corrosion Coupon, Aluminum
 P-SS316 Corrosion Coupon, 316 Stainless Steel
 P-Brass Corrosion Coupon, Brass

P-Coupon-A Corrosion Coupon, analysis (for any metal)

Corrosion coupon racks and other accessories available upon request

Water and Deposit Analysis

Available Deposit Analyses

Description
Aluminum as Al
Ammonia as NH ₃
Azole
Bacteria/ Yeast-Mold
Barium as Ba
Calcium as CaCO ₃
Copper as Cu
Carbonate spot test
Cromium, hexavalent as Cr ³⁺
Cyanide as CN
Hardness, calcium as CaCO ₃
Hardness, magnesium as CaCO ₃
Hardness, total as CaCO ₃
Iron, magnetic as Fe ₃ O ₄
Iron, soluble as Fe ₂ O ₃
Iron, total as Fe
Lead as Pb
Loss on ignition
Magnesium as CaCO ₃
Manganese as Mn
Molybdenum as Mo
Nickel as Ni
Nitrate as NO ₃
Nitrite as NO ₂
Phosphate, ortho as PO ₄
Phosphate, total as PO ₄
Silica as SiO ₂
Sulfate as SO ₄
Zinc as Zn

Available Water Analyses

Description
Alkalinity "M" as CaCO ₃ , titrimetric
Alkalinity "OH" as CaCO ₃ , titrimetric
Alkalinity "P" as CaCO ₃ , titrimetric
Alkalinity "Total" as CaCO ₃ , titrimetric
Aluminum as Al
Ammonia as NH ₃
Azole
Bacteria/ Yeast-Mold
Barium as Ba
Chloride as Cl
Conductivity, potentiometric
Copper as Cu
Cromium, hexavalent as Cr ³⁺
Cyanide as CN
Glycol, freezing point depression
Hardness, calcium as CaCO ₃
Hardness, magnesium as CaCO ₃
Hardness, total as CaCO ₃
Iron, soluble as Fe
Iron, total as Fe
Lead as Pb
Manganese as Mn
Molybdenum as Mo
Nickel as Ni
Nitrate as NO ₃
Nitrite as NO ₂
Organophosphonate as HEDP
pH, potentiometric
Phosphate, ortho as PO ₄
Phosphate, total as PO ₄
Polymer as PTU or units of absorbance
Silica as SiO ₂
Zinc as Zn