



ENVIRONMENTAL EQUIPMENT AND FIELD SUPPLIES

LaMotte SMART3 Colorimeter Reagent Systems

New tests are being developed for the SMART3. Please contact our Technical Service Department for information regarding additions of new tests.

Test Factor	Range ppm	MDL	Test Method (# of reagents)	# of Tests	Shipping Code	Order Code
Alkalinity UDV	0-200	10	UDV (1)	100	NH	4318-J
Aluminum	0.00-0.30	0.01	Eriochrome Cyanine R (4)	50	NH	3641-01-SC
Ammonia Nitrogen-LR (Fresh Water)	0.00-1.00	0.05	Salicylate (3)	25	R2	3659-01-SC
Ammonia Nitrogen-LR (Salt Water)	0.00-1.00	0.10	Salicylate (3)	25	R2	3659-01-SC
Ammonia Nitrogen HR	0.00-4.00	0.05	Nesslerization (2)	50	R1	3642-SC
Benzotriazole	1.0-30.0	0.5	UV Photolysis (3)	50	R1	4047
Biquanide	7-70	2	Colorimetric (1)	50	NH	4044
Borate UDV	0.00-80.00	5.0	Unit Dose Vial (1)	100	NH	4322-J
Boron	0.00-0.80	0.05	Azomethine-H (2)	50	NH	4868
Bromine LR	0.00-9.00	0.10	DPD Tablets (3)	100	NH	3643-SC
Bromine UDV	0.0-20.0	0.25	Unit Dose Vial (1)	100	NH	4311-J
Cadmium	0.00-1.00	0.04	PAN (4)	50	R1	4017-01
Carbohydrazide	0.000-0.900	0.01	Iron Reduction (3)	100	R1	4857
Chloride TesTab	0.0-30.0	0.4	Argentometric (1)	50	NH	3693-SC
Chlorine (Free & Total)	0.00-4.00	0.03	DPD Tablets (3)	100	NH	3643-SC
Chlorine Free UDV	0.00-10.00	0.10	Unit Dose Vial (1)	100	NH	4311-J
Chlorine Liquid DPD	0.00-4.00	0.03	DPD (3)	144	R1	4859
Chlorine Total UDV	0.00-10.00	0.10	Unit Dose Vial (1)	100	NH	4312-J
Chlorine Dioxide	0.00-8.00	0.10	DPD Tablet/Glycine (2)	50	NH	3644-SC
Chromium Hexavalent	0.00-1.00	0.01	Diphenylcarbohydrazide (1)	50	HA	3645-SC
Chromium (Total, Hex & Trivalent)	0.00-1.00	0.01	Diphenylcarbohydrazide (5)	50	HF	3698-SC
Cobalt	0.00-2.00	0.04	PAN (3)	50	HF	4851

COD LR with Mercury*	0-150	7.5	Digestion (1)	25	R1	0075-SC
COD LR without Mercury*	0-150	7.5	Digestion (1)	25	R1	0072-SC
COD SR with Mercury*	0-1500	40	Digestion (1)	25	R1	0076-SC
COD SR without Mercury*	0-1500	40	Digestion (1)	25	R1	0073-SC
COD HR with Mercury*	0-15,000	400	Digestion (1)	25	R1	0077-SC
COD HR without Mercury*	0-15,000	400	Digestion (1)	25	R1	0074-SC
Color	0-1000	20	Platinum Cobalt (0)	?	NH	NA
Copper BCA	0.00-3.50	0.04	Bicinchoninic Acid (1)	50	NH	3640-SC
Copper Cuprizone	0.00-2.00	0.03	Cuprizone (2)	50	R1	4023
Copper DDC	0.00-7.00	0.10	Diethyldithiocarbamate (1)	100	NH	3646-SC
Copper UDV	0.0-4.0	0.1	Unit Dose Vial, Bicinchoninic acid (1)	100	NH	4314-J
Cyanide	0.00-0.50	0.01	Pyridine-Barbituric Acid (5)	50	R1	3660-SC
Cyanuric Acid	5-200	10	Melamine (1)	100	R1	3661-01-SC
Cyanuric Acid UDV	5-150	10	Unit Dose Vial, Melamine (1)	100	NH	4313-J
DEHA	0.000-0.700	0.01	Iron Reduction (3)	100	NH	4857
Dissolved Oxygen (DO)	0.0-10.0	0.6	Winkler Colorimetric (3)	100	R1	3688-SC
Erythorbic Acid	0.00-3.00	0.02	Iron Reduction (3)	100	R1	4857
Fluoride	0.00-2.00	0.10	SPADNS (2)	50	R1	3647-02
Hardness (Total) UDV	0-450	10	UDV (1)	100	NH	4309-J
Hydrazine	0.00-1.00	0.01	p-dimethylaminobenzaldehyde (2)	50	R2	3656-01-SC
Hydrogen Peroxide LR	0.00-1.50	0.02	DPD (2)	100	NH	3662-SC
Hydrogen Peroxide HR	0.0-80.0	0.05	DPD (2)	150	NH	4045-01
Hydrogen Peroxide Shock	0-300	5	DPD (2)	100	NH	4045
Hydroquinone	0.00-2.00	0.01	Iron Reduction (3)	100	R1	4857
Iodine	0.00-14.00	0.15	DPD Tablets (2)	100	NH	3643-SC
Iron	0.00-6.00	0.10	Bipyridyl (2)	50	R1	3648-SC
Iron UDV	0.00-10.00	0.05	Unit Dose Vial Bipyridyl (1)	100	NH	4315-H
Iron Phenanthroline	0.00-5.00	0.06	1,10 Phenanthroline (2)	50	R1	3668-01-SC
Lead	0.00-5.00	0.10	PAR (5)	50	HF	4031
Manganese LR	0.00-0.70	0.01	PAN (3)	50	R1	3658-01-SC
Manganese HR	0.0-15.0	0.3	Periodate (2)	50	HF	3669-SC

Mercury	0.00-1.50	0.01	TMK (3)	50	R1	4861
Methylethylketoxime	0.00-3.00	0.01	Iron Reduction (3)	100	R1	4857
Molybdenum HR	0.0-50.0	0.6	Thioglycolate (3)	50	HF	3699-03-SC
Nickel	0.00-8.00	0.15	Dimethylglyoxime (6)	50	R1	3663-SC
Nitrate Nitrogen LR	0.00-3.00	0.10	Cadmium Reduction (2)	20	NH	3649-SC
Nitrate TesTab	0-60	5	Zinc Reduction (1)	50	NH	3689-SC
Nitrite Nitrogen LR	0.00-0.80	0.02	Diazotization (2)	20	R1	3650-SC
Nitrogen, Total*	3-25 mg/L	3	Chromotropic Acid/Digestion (6)	25	NH	4026
Ozone	0.00-3.00	0.03	DPD (3)	100	NH	4881
Ozone LR	0.00-0.40	0.02	Indigo Trisulfonate (3)	100	NH	3651-SC
Ozone HR	0.00-2.50	0.05	Indigo Trisulfonate (3)	20	NH	3651-SC
pH CPR	5.0-6.8	--	Chlorophenol Red (3)	100	NH	3700-01-SC
pH PR	6.6-8.4	--	Phenol Red (3)	100	NH	3700-01-SC
pH TB	8.0-9.6	--	Thymol Blue (3)	100	NH	3700-01-SC
Phenol	0.00-6.00	0.05	Aminoantipyrine (3)	50	NH	3652-SC
Phosphate LR	0.00-3.00	0.05	Ascorbic Acid Reduction (2)	50	R2	3653-SC
Phosphate HR	0.0-70.0	0.5	Vanadomolybdophosphoric Acid (1)	50	R1	3655-SC
Phosphate, ppb	0-3000 ppb	50 ppb	Ascorbic Acid/Digestion (2)	50	R2	3653-SC
Phosphorus, Total LR*	0.00-3.50	0.50	Ascorbic Acid/Digestion (5)	25	R1	4024-01
Phosphorus, Total HR*	0.0-70.0	5	Molybdoranadate/Digestion (5)	25	R1	4025-01
Potassium	0.0-10.0	0.8	Tetraphenylboron (2)	100	R1	3639-SC
Silica LR	0.0-4.0	0.05	Heteropoly Blue (4)	100	R1	3664-SC
Silica HR	0.0-75.0	0.5	Silicomolybdate (3)	50	R1	3687-SC
Sulfate HR	0-100	3	Barium Chloride (1)	100	R1	3665-SC
Sulfide LR	0.00-1.50	0.06	Methylene Blue (3)	50	R1	3654-02-SC
Surfactants	0.00-8.00	0.75	Bromphenol Blue (3)	100	HF	4876
Tannin	0.0-10.0	0.1	Tungstomolybdophosphoric Acid (3)	50	R1	3666-01-SC
Tolytriazole	0.0-30.0	0.5	UV Oxidation/Dichromate (3)	50	R1	4047
Turbidity	0-500 FTU	3 FAU	Absorptimetric (0)	?	NH	NA
Zinc LR	0.00-3.00	0.05	Zincon (6)	50	HF	3667-SC

* Requires COD Heater Block, sold separately.

Shipping Codes: NH Non Hazardous; HF Hazardous Materials; R1 Small Quantity Hazardous;
R2 & R3 Hazardous Materials