

## Reagents for Photometers

Code	Description	Code	Description
<b>Alkalinity, colorimetric method</b>			
Range:	0 to 500 mg/L	<b>Chlorine, free and total HR, DPD method</b>	
Reagents		Range:	0.00 to 10.00 mg/L
HI 93755-01	Reagent kit for 100 tests (CaCO <sub>3</sub> )	Reagents	
HI 93755-03	Reagent kit for 300 tests (CaCO <sub>3</sub> )	HI 93734-01	Powder reagent kit for 100 tests (Cl <sub>2</sub> free or total)
<b>Aluminum, aluminon method</b>			
Range:	0.00 to 1.00 mg/L	HI 93734-03	Powder reagent kit for 300 tests (Cl <sub>2</sub> free or total)
Reagents		<b>Chlorine, free, ULR, DPD method</b>	
HI 93712-01	Reagent kit for 100 tests (Al)	Range:	0.000 to 0.500 mg/L
HI 93712-03	Reagent kit for 300 tests (Al)	Reagents	
<b>Ammonia HR, Nessler method</b>			
Range:	0 to 100 mg/L	HI 95762-01	Reagent kit for 100 tests (free Cl <sub>2</sub> )
Reagents		HI 95762-03	Reagent kit for 300 tests (free Cl <sub>2</sub> )
HI 93764B-25	Reagent kit for 25 test vials (N-NH <sub>3</sub> HR)	<b>Chlorine, free, DPD method</b>	
Range:	<b>0.0 to 50.0 mg/L</b>	Range:	0.00 to 2.50 mg/L (5.00 mg/L)****
Reagents		Reagents	
HI 93733-01	Reagent kit for 100 tests (NH <sub>4</sub> <sup>+</sup> HR)	HI 93701-01	Powder reagent kit for 100 tests (free Cl <sub>2</sub> )
HI 93733-03	Reagent kit for 300 tests (NH <sub>4</sub> <sup>+</sup> HR)	HI 93701-03	Powder reagent kit for 300 tests (free Cl <sub>2</sub> )
<b>Ammonia LR, Nessler method</b>			
Range:	0.00 to 3.00 mg/L	HI 93701-F	Liquid reagent Kit for 300 tests (free Cl <sub>2</sub> )
Reagents		<b>Chlorine, total, ULR, DPD method</b>	
HI 93700-01	Reagent kit for 100 tests (NH <sub>3</sub> -N LR)	Range:	0.000 to 0.500 mg/L
HI 93700-03	Reagent kit for 300 tests (NH <sub>3</sub> -N LR)	Reagents	
HI 93764A-25	Reagent kit for 25 test vials (NH <sub>3</sub> -N LR)	HI 95761-01	Reagent kit for 100 tests (total Cl <sub>2</sub> )
<b>Ammonia MR, Nessler method</b>			
Range:	0.00 to 9.99 mg/L (10.00 mg/L)****	HI 95761-03	Reagent kit for 300 tests (total Cl <sub>2</sub> )
Reagents		<b>Chlorine, total, DPD method</b>	
HI 93715-01	Reagent kit for 100 tests (NH <sub>3</sub> -N MR)	Range:	0.00 to 3.50 mg/L (5.00 mg/L)****
HI 93715-03	Reagent kit for 300 tests (NH <sub>3</sub> -N MR)	Reagents	
<b>Bromine, DPD method</b>			
Range:	0.00 to 8.00 mg/L (10.00 mg/L)****	HI 93711-01	Powder reagent kit for 100 tests (total Cl <sub>2</sub> )
Reagents		HI 93711-03	Powder reagent kit for 300 tests (total Cl <sub>2</sub> )
HI 93716-01	Reagent kit for 100 tests (Br <sub>2</sub> )	HI 93701-T	Liquid reagent Kit for 300 tests (total Cl <sub>2</sub> )
HI 93716-03	Reagent kit for 300 tests (Br <sub>2</sub> )	HI 93711-D3	DPD3 reagent for 600 tests (total Cl <sub>2</sub> )
<b>Calcium and magnesium HR, oxalate (Ca) and calmagite (Mg) methods</b>			
Range:	0 to 400 mg/L (Ca) 0 to 150 mg/L (Mg)	<b>Chromium VI HR, diphenylcarbohydrazide method</b>	
Reagents		Range:	0 to 1000 µg/L
HI 93752-01	Reagent kit for 100 tests (50 Ca and 50 Mg)	Reagents	
HI 93752-03	Reagent kit for 300 tests (150 Ca and 150 Mg)	HI 93723-01	Reagent kit for 100 tests (Cr VI HR)
<b>Chloride, mercury (II) thiocyanate method</b>			
Range:	0.0 to 20.0 mg/L	HI 93723-03	Reagent kit for 300 tests (Cr VI HR)
Reagents		<b>Chromium VI LR, diphenylcarbohydrazide method</b>	
HI 93753-01	Reagent kit for 100 tests (Cl <sup>-</sup> )	Range:	0 to 300 µg/L
HI 93753-03	Reagent kit for 300 tests (Cl <sup>-</sup> )	Reagents	
<b>Chlorine Dioxide, chlorophenol red method</b>			
Range:	0.00 to 2.00 mg/L	HI 93749-01	Reagent kit for 100 tests (Cr VI LR)
Reagents		HI 93749-03	Reagent kit for 300 tests (Cr VI LR)
HI 93738-01	Reagent kit for 100 tests (ClO <sub>2</sub> )	<b>COD, HR, dichromate method</b>	
HI 93738-03	Reagent kit for 300 tests (ClO <sub>2</sub> )	Range:	0 to 150 mg/L
<b>Chlorine, ULR, iodometric method</b>			
Range:	0 to 500 mg/L	Reagents	
Reagents		HI 93754C-25	Reagent kit for 25 test vials (O <sub>2</sub> )
HI 95711-01	Reagent kit for 100 tests (Cl <sub>2</sub> )	<b>COD, LR EPA*, dichromate method</b>	
HI 95711-03	Reagent kit for 300 tests (Cl <sub>2</sub> )	Range:	0 to 150 mg/L
<b>Chlorine, free, ULR, DPD method</b>			
Range:	0.000 to 0.500 mg/L	Reagents	
Reagents		HI 93754A-25	Reagent kit for 25 test vials (O <sub>2</sub> )
HI 95762-01	Reagent kit for 100 tests (free Cl <sub>2</sub> )	<b>COD, LR ISO**, dichromate method</b>	
HI 95762-03	Reagent kit for 300 tests (free Cl <sub>2</sub> )	Range:	0 to 150 mg/L
<b>Chlorine, free, DPD method</b>			
Range:	0.00 to 2.50 mg/L (5.00 mg/L)****	Reagents	
Reagents		HI 93754F-25	Reagent kit for 25 test vials (O <sub>2</sub> )
HI 93701-01	Powder reagent kit for 100 tests (free Cl <sub>2</sub> )	<b>COD, LR, dichromate method mercury free***</b>	
HI 93701-03	Powder reagent kit for 300 tests (free Cl <sub>2</sub> )	Range:	0 to 15000 mg/L
HI 93701-F	Liquid reagent Kit for 300 tests (free Cl <sub>2</sub> )	Reagents	
<b>Chlorine, total, ULR, DPD method</b>			
Range:	0.000 to 0.500 mg/L	HI 93754D-25	Reagent kit for 25 test vials (O <sub>2</sub> )
Reagents			
HI 95761-01	Reagent kit for 100 tests (total Cl <sub>2</sub> )		
HI 95761-03	Reagent kit for 300 tests (total Cl <sub>2</sub> )		

\* The sulphuric acid method is officially recognized by EPA for wastewater.  
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Code	Description
<b>COD, MR, dichromate method mercury free***</b>	
Range:	0 to 1500 mg/L
Reagents	
HI 93754E-25	Reagent kit for 25 test vials (O <sub>2</sub> )
<b>COD, MR EPA*, dichromate method</b>	
Range:	0 to 1500 mg/L
Reagents	
HI 93754B-25	Reagent kit for 25 test vials (O <sub>2</sub> )
<b>COD, MR ISO**, dichromate method</b>	
Range:	0 to 1000 mg/L
Reagents	
HI 93754G-25	Reagent kit for 25 test vials (O <sub>2</sub> )
<b>Copper HR, bichinonate acid method</b>	
Range:	0.00 to 5.00 mg/L
Reagents	
HI 93702-01	Reagent kit for 100 tests (Cu HR)
HI 93702-03	Reagent kit for 300 tests (Cu HR)
HI 93702T-01	Reagent kit for total copper 100 tests (Cu HR)
HI 93702T-03	Reagent kit for total copper 300 tests (Cu HR)
<b>Copper LR, bichinonate acid method</b>	
Range:	0.000 to 1.500 mg/L
Reagents	
HI 95747-01	Reagent kit for 100 tests (Cu LR)
HI 95747-03	Reagent kit for 300 tests (Cu LR)
<b>Cyanide, pyridine-pyrazolone method</b>	
Range:	0.000 to 0.200 mg/L
Reagents	
HI 93714-01	Reagent kit for 100 tests (CN <sup>-</sup> )
HI 93714-03	Reagent kit for 300 tests (CN <sup>-</sup> )
<b>Cyanuric Acid, turbidimetric method</b>	
Range:	0 to 80 mg/L (200 mg/L)****
Reagents	
HI 93722-01	Reagent kit for 100 tests (cyanuric acid)
HI 93722-03	Reagent kit for 300 tests (cyanuric acid)
<b>Detergents, Anionic, MBAS method</b>	
Range:	0.00 to 3.50 mg/L
Reagents	
HI 95769-01	Reagent kit for 40 tests (SDBS)
<b>Dissolved Oxygen, Winkler method</b>	
Range:	0.0 to 10.0 mg/L
Reagents	
HI 93732-01	Reagent kit for 100 tests (O <sub>2</sub> )
HI 93732-03	Reagent kit for 300 tests (O <sub>2</sub> )
<b>Fluoride HR, SPADNS method</b>	
Range:	0.0 to 20.0 mg/L
Reagents	
HI 93739-01	Reagent kit for 100 tests (F <sup>-</sup> HR)
HI 93739-03	Reagent kit for 300 tests (F <sup>-</sup> HR)
<b>Fluoride LR, SPADNS method</b>	
Range:	0.00 to 2.00 mg/L
Reagents	
HI 93729-01	Reagent kit for 100 tests (F <sup>-</sup> LR)
HI 93729-03	Reagent kit for 300 tests (F <sup>-</sup> LR)
HI 93703-53	Optional Reagent for chlorine removal

Code	Description
<b>Hardness calcium, calmagite method</b>	
Range:	0.00 to 2.70 mg/L
Reagents	
HI 93720-01	Reagent kit for 100 tests (Ca hardness, CaCO <sub>3</sub> )
HI 93720-03	Reagent kit for 300 tests (Ca hardness, CaCO <sub>3</sub> )
<b>Hardness calcium, colorimetric method</b>	
Range:	0 to 500 mg/L
Reagents	
HI 93756-01	Reagent kit for 100 tests (Ca hardness, CaCO <sub>3</sub> )
HI 93756-03	Reagent kit for 300 tests (Ca hardness, CaCO <sub>3</sub> )
<b>Hardness magnesium, EDTA method</b>	
Range:	0.00 to 2.00 mg/L
Reagents	
HI 93719-01	Reagent kit for 100 tests (Mg hardness, CaCO <sub>3</sub> )
HI 93719-03	Reagent kit for 300 tests (Mg hardness, CaCO <sub>3</sub> )
<b>Hardness, total, colorimetric method</b>	
Range:	0 to 750 mg/L
Reagents	
HI 93735-0	Reagent kit for 100 tests (0-750 mg/L CaCO <sub>3</sub> )
HI 93735-00	Reagent kit for 100 tests (0-250 mg/L CaCO <sub>3</sub> )
HI 93735-01	Reagent kit for 100 tests (200-500 mg/L CaCO <sub>3</sub> )
HI 93735-02	Reagent kit for 100 tests (400-750 mg/L CaCO <sub>3</sub> )
<b>Hydrazine, p-dimethylaminobenzaldehyde method</b>	
Range:	0 to 400 µg/L
Reagents	
HI 93704-01	Reagent kit for 100 tests (N <sub>2</sub> H <sub>4</sub> )
HI 93704-03	Reagent kit for 300 tests (N <sub>2</sub> H <sub>4</sub> )
<b>Iodine, DPD method</b>	
Range:	0.0 to 12.5 mg/L
Reagents	
HI 93718-01	Reagent kit for 100 tests (I <sub>2</sub> )
HI 93718-03	Reagent kit for 300 tests (I <sub>2</sub> )
<b>Iron HR, phenantroline method</b>	
Range:	0.00 to 5.00 mg/L
Reagents	
HI 93721-01	Reagent kit for 100 tests (Fe HR)
HI 93721-03	Reagent kit for 300 tests (Fe HR)
<b>Iron LR, TPTZ method</b>	
Range:	0 to 400 µg/L
Reagents	
HI 93746-01	Reagent kit for 50 tests (Fe LR)
HI 93746-03	Reagent kit for 150 tests (Fe LR)
<b>Manganese HR, periodate method</b>	
Range:	0.0 to 20.0 mg/L
Reagents	
HI 93709-01	Reagent kit for 100 tests (Mn HR)
HI 93709-03	Reagent kit for 300 tests (Mn HR)
<b>Manganese LR, PAN method</b>	
Range:	0 to 300 µg/L
Reagents	
HI 93748-01	Reagent kit for 50 tests (Mn LR)
HI 93748-03	Reagent kit for 150 tests (Mn LR)

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Code	Description
<b>Molybdenum, mercaptoacetic acid method</b>	
Range:	0.0 to 40.0 mg/L
Reagents	
HI 93730-01	Reagent kit for 100 tests (Mo)
HI 93730-03	Reagent kit for 300 tests (Mo)
<b>Nickel HR, fotometric method</b>	
Range:	0.00 to 7.00 mg/L
Reagents	
HI 93726-01	Reagent kit for 100 tests (Ni HR)
HI 93726-03	Reagent kit for 300 tests (Ni HR)
<b>Nickel LR, PAN method</b>	
Range:	0.000 to 1.00 0 mg/L
Reagents	
HI 93740-01	Reagent kit for 50 tests (Ni LR)
HI 93740-03	Reagent kit for 150 tests (Ni LR)
<b>Nitrate, cadmium reduction method</b>	
Range:	0.0 to 30.0 mg/L
Reagents	
HI 93728-01	Reagent kit for 100 tests (NO <sub>3</sub> <sup>-</sup> -N)
HI 93728-03	Reagent kit for 300 tests (NO <sub>3</sub> <sup>-</sup> -N)
<b>Nitrate, cromotropic acid method</b>	
Range:	0.0 to 30.0 mg/L
Reagents	
HI 93766-50	Reagent kit for 50 test vials (NO <sub>3</sub> <sup>-</sup> -N)
<b>Nitrite HR, ferrous sulphate method</b>	
Range:	0 to 150 mg/L
Reagents	
HI 93708-01	Reagent kit for 100 tests (NO <sub>2</sub> <sup>-</sup> HR)
HI 93708-03	Reagent kit for 300 tests (NO <sub>2</sub> <sup>-</sup> HR)
<b>Nitrite LR, diazotation method</b>	
Range:	0.00 to 0.35 mg/L (1.500 mg/L)****
Reagents	
HI 93707-01	Reagent kit for 100 tests (N-NO <sub>2</sub> <sup>-</sup> LR)
HI 93707-03	Reagent kit for 300 tests (N-NO <sub>2</sub> <sup>-</sup> LR)
<b>Nitrogen, total, HR, cromotropic acid method</b>	
Range:	10 to 150 mg/L
Reagents	
HI 93767B-50	Reagent kit for 50 test vials (N)
<b>Nitrogen, total, LR, cromotropic acid method</b>	
Range:	0.0 to 25.0 mg/L
Reagents	
HI 93767A-50	Reagent kit for 50 test vials (N)
<b>Ozone, DPD method</b>	
Range:	0.00 to 2.00 mg/L
Reagents	
HI 93757-01	Reagent kit for 100 tests (O <sub>3</sub> )
HI 93757-03	Reagent kit for 300 tests (O <sub>3</sub> )
HI 93703-52	Optional reagent for 100 tests (glycin)
<b>pH, phenol red method</b>	
Range:	5.9(6.5)**** to 8.5 pH
Reagents	
HI 93710-01	Reagent kit for 100 tests (pH)
HI 93710-03	Reagent kit for 300 tests (pH)
<b>Phosphate HR, amino acid method</b>	
Range:	0.0 to 30.0 mg/L
Reagents	
HI 93717-01	Reagent kit for 100 tests (PO <sub>4</sub> <sup>3-</sup> HR)
HI 93717-03	Reagent kit for 300 tests (PO <sub>4</sub> <sup>3-</sup> HR)

Code	Description
<b>Phosphate LR, ascorbic acid method</b>	
Range:	0.00 to 2.50 mg/L
Reagents	
HI 93713-01	Reagent kit for 100 tests (PO <sub>4</sub> <sup>3-</sup> LR)
HI 93713-03	Reagent kit for 300 tests (PO <sub>4</sub> <sup>3-</sup> LR)
<b>Phosphorus acid-hydrolyzable, ascorbic acid method</b>	
Range:	0.00 to 5.00 mg/L
Reagents	
HI 93758B-50	Reagent kit for 50 test vials (PO <sub>4</sub> <sup>3-</sup> )
<b>Phosphorus, amino acid method</b>	
Range:	0.0 to 15.0 mg/L
Reagents	
HI 93706-01	Reagent kit for 100 tests (P)
HI 93706-03	Reagent kit for 300 tests (P)
<b>Phosphorus, reactive, ascorbic acid method</b>	
Range:	0.00 to 5.00 mg/L
Reagents	
HI 93758A-50	Reagent kit for 50 test vials (PO <sub>4</sub> <sup>3-</sup> )
<b>Phosphorus reactive HR, vanadomolibdophosphoric acid method</b>	
Range:	0.0 to 100.0 mg/L
Reagents	
HI 93763A-50	Reagent kit for 50 test vials (PO <sub>4</sub> <sup>3-</sup> )
<b>Phosphorus total, ascorbic acid method</b>	
Range:	0.00 to 3.50 mg/L
Reagents	
HI 93758C-50	Reagent kit for 50 test vials (PO <sub>4</sub> <sup>3-</sup> )
<b>Phosphorus total, HR, vanadomolibdophosphoric acid method</b>	
Range:	0.0 to 100.0 mg/L
Reagents	
HI 93763B-50	Reagent kit for 50 test vials (PO <sub>4</sub> <sup>3-</sup> )
<b>Potassium, turbidimetric method</b>	
Range:	0.0 to 50.0 mg/L
Reagents	
HI 93750-01	Reagent kit for 100 tests (K)
HI 93750-03	Reagent kit for 300 tests (K)
<b>Silica, LR heteropoly blue method</b>	
Range:	0.00 to 2.00 mg/L
Reagents	
HI 93705-01	Reagent kit for 100 tests (SiO <sub>2</sub> )
HI 93705-03	Reagent kit for 300 tests (SiO <sub>2</sub> )
<b>Silver, PAN method</b>	
Range:	0.000 to 1.000 mg/L
Reagents	
HI 93737-01	Reagent kit for 50 tests (Ag)
HI 93737-03	Reagent kit for 150 tests (Ag)
<b>Sulphate, turbidimetric method</b>	
Range:	0 to 150 mg/L
Reagents	
HI 93751-01	Reagent kit for 100 tests (SO <sub>4</sub> <sup>2-</sup> )
HI 93751-03	Reagent kit for 300 tests (SO <sub>4</sub> <sup>2-</sup> )
<b>Zinc, zincon method</b>	
Range:	0.00 to 3.00 mg/L
Reagents	
HI 93731-01	Reagent kit for 100 tests (Zn)
HI 93731-03	Reagent kit for 300 tests (Zn)

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