

Parameter	Range	Resolution	Accuracy	Wavelength	Method	Reagent Code
Ammonia Low Range	0.00 to 3.00 mg/L (as NH ₃ -N)	0.01 mg/L	±0.04 mg/L ±4% of reading at 25 °C	420 nm	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426 Nessler Method	HI93700-01 Reagents for 100 tests
Ammonia Low Range (16 mm Vial)	0.00 to 3.00 mg/L (as NH ₃ -N)	0.01 mg/L	± 0.10 mg/L or ± 5% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426 Nessler Method	HI93764A-25 Reagents for 25 tests
Ammonia Medium Range	0.00 to 10.00 mg/L (as NH ₃ -N)	0.01 mg/L	± 0.05 mg/L ± 5% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426, Nessler Method	HI93715-01 Reagents for 100 tests
Ammonia High Range	0.0 to 100.0 mg/L (as NH ₃ -N)	0.1 mg/L	±0.5 mg/L ± 5% of reading at 25 °C	420 nm	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426, Nessler Method	HI93733-01 Reagents for 100 tests
Ammonia High Range (16 mm Vial)	0.0 to 100.0 mg/L (as NH ₃ -N)	0.1 mg/L	± 1.0 mg/L or ± 5% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426 Nessler Method	HI93764B-25 Reagents for 25 tests
Chlorine, Free	0.00 to 5.00 mg/L (as Cl ₂)	0.01 mg/L	±0.03 mg/L ±3% of reading at 25 °C	525 nm	Adaptation of the EPA DPD Method 330.5	HI93701-F Reagents for 300 tests (liquid) HI93701-01 Reagents for 100 tests (powder)
Chlorine, Total	0.00 to 5.00 mg/L (as Cl ₂)	0.01 mg/L	±0.03 mg/L ±3% of reading at 25 °C	525 nm	Adaptation of the EPA DPD Method 330.5	HI93701-T Reagents for 300 tests (liquid) HI93711-01 Reagents for 100 total tests (powder)
Chromium (VI)/Total (16 mm Vial)	0 to 1000 µg/L (as Cr)	1 µg/L	±10 µg/L ± 3% of reading	525 nm	Adaptation of the Standard Methods of the Examination of Water and Wastewater, 22nd Edition, 3500-Cr, Diphenylcarbazide Method	HI96781-25 Reagents for 25 tests
Chemical Oxygen Demand Low Range (16 mm Vial)	0 to 150 mg/L (as O ₂)	1 mg/L	±5 mg/L or ±4% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the EPA 410.4 Approved Method for the COD Determination on Surface Waters and Wastewaters	HI93754A-25 Reagents EPA Low Range for 24 tests HI93754D-25 Reagents Hg Free Low Range for 24 tests HI93754F-25 Reagents ISO Low Range for 24 tests
Chemical Oxygen Demand Medium Range (16 mm Vial)	0 to 1500 mg/L (as O ₂)	1 mg/L	±15 mg/L or ±4% of reading at 25 °C, whichever is greater	610 nm	Adaptation of the EPA 410.4 Approved Method for the COD Determination on Surface Waters and Wastewaters	HI93754B-25 Reagents EPA Medium Range for 24 tests HI93754E-25 Reagents Hg Free Medium Range for 24 tests HI93754G-25 Reagents ISO Medium Range for 24 tests
Chemical Oxygen Demand High Range EPA (16 mm Vial)	0 to 15000 mg/L (as O ₂)	1 mg/L	±150 mg/L or ±2% of reading at 25 °C, whichever is greater	610 nm	Adaptation of the EPA 410.4 Approved Method for the COD Determination on Surface Waters and Wastewaters	HI93754C-25 Reagents for 24 tests
Chemical Oxygen Demand Ultra High Range (16 mm Vial)	0.0 to 60.0 ppt (as O ₂)	0.1 ppt	±0.5 ppt ±3% of reading @ 25°C	610 nm	Adaptation of the EPA 410.4 Approved Method for the COD Determination on Surface Waters and Wastewaters	HI93754J-25 Reagents for 24 tests
Iron (16 mm Vial)	0.00 to 6.00 mg/L (as Fe)	0.01 mg/L	±0.10 mg/L or ±3% of reading at 25°C	525 nm	Adaptation of Standard Methods for the Examination of Water and Wastewater, 23rd Edition, 3500-Fe B, Phenanthroline Method	HI96786-25 Reagents for 25 tests
Iron Total (16 mm Vial)	0.00 to 7.00 mg/L (as Fe)	0.01 mg/L	±0.20 mg/L or ± 3% of reading, whichever is greater	525 nm	Adaptation of Standard Methods for the Examination of Water and Wastewater, 23rd Edition, 3500-Fe B, Phenanthroline Method	HI96778-25 Reagents for 25 tests
Nitrate (16 mm Vial)	0.0 to 30.0 mg/L (as NO ₃ ⁻ -N)	0.1 mg/L	±1.0 mg/L or ±3% of reading at 25 °C, whichever is greater	420 nm	Chromotropic Acid Method	HI93766-50 Reagents for 50 tests
Nitrite Low Range	0 to 600 µg/L (as NO ₂ ⁻ -N)	1 µg/L	±20 µg/L ±4% of reading at 25 °C	466 nm	Adaptation of the EPA Diazotization Method 354.1	HI93707-01 Reagents for 100 tests

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Nitrite Low Range (16mm Vial)	0 to 600 µg/L (as NO ₂ ⁻ -N)	1 µg/L	±10 µg/L ± 3% of reading at 25°C, whichever is greater	525 nm	Adaptation of the Standard Method for the Examination of Water and Wastewater, 23rd Edition, 4500B Diazotization Method, Nitrogen Nitrite	HI96783-25 Reagents for 25 tests
Nitrite Medium Range (16 mm Vial)	0.00 to 6.00 mg/L (as NO ₂ ⁻ -N)	0.01 mg/L	±0.10 mg/L ± 3% of reading at 25°C	525 nm	Adaptation of the Standard Method for the Examination of Water and Wastewater, 23rd Edition, 4500B Diazotization Method, Nitrogen Nitrite	HI96784-25 Reagents for 25 tests
Nitrite High Range	0 to 150 mg/L (as NO ₂ ⁻)	1 mg/L	±4 mg/L ±4% of reading at 25 °C	575 nm	Adaptation of the Ferrous Sulfate Method	HI93708-01 Reagents for 100 tests
Nitrogen, Total Low Range (16 mm Vial)	0.0 to 25.0 mg/L (as N)	0.1 mg/L	±1.0 mg/L or ±5% of reading at 25 °C, whichever is greater	420 nm	Chromotropic Acid Method	HI93767A-50 Reagents for up to 49 tests
Nitrogen, Total High Range (16 mm Vial)	10 to 150 mg/L (as N)	1 mg/L	±3 mg/L or ±4% of reading at 25 °C, whichever is greater	420 nm	Chromotropic Acid Method	HI93767B-50 Reagents for up to 49 tests
Phosphorus, Acid Hydrolyzable (16 mm Vial)	0.00 to 1.60 mg/L (as P)	0.01 mg/L	±0.05 mg/L or ±5% of reading at 25 °C, whichever is greater	610 nm	Adaptation of the EPA method 365.2 and Standard Methods for the Examination of Water and Wastewater, 20th Edition, 4500-P E, Ascorbic Acid Method	HI93758B-50 Reagents for 50 tests
Phosphorus, Reactive Low Range (16 mm Vial)	0.00 to 1.60 mg/L (as P)	0.01 mg/L	±0.05 mg/L or ±4% of reading at 25 °C, whichever is greater	610 nm	Adaptation of the EPA method 365.2 and Standard Methods for the Examination of Water and Wastewater, 20th Edition, 4500-P E, Ascorbic Acid Method	HI93758A-50 Reagents for 50 tests
Phosphorus, Reactive High Range (16 mm Vial)	0.0 to 32.6 mg/L (as P)	0.1 mg/L	±0.5 mg/L or ±4% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th Edition, 4500-P C, Vanadomolybdophosphoric Acid Method	HI93763A-50 Reagents for up to 49 tests
Phosphorus, Total Low Range (16 mm Vial)	0.00 to 1.15mg/L (as P)	0.01 mg/L	±0.05 mg/L or ±6% of reading at 25 °C, whichever is greater	610 nm	Adaptation of the EPA method 365.2 and Standard Methods for the Examination of Water and Wastewater, 20th Edition, 4500-P E, Ascorbic Acid Method	HI93758C-50 Reagents for 50 tests
Phosphorus, Total High Range (16 mm Vial)	0.0 to 32.6 mg/L (as P)	0.1 mg/L	±0.5 mg/L or ±5% of reading at 25 °C, whichever is greater	420 nm	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th Edition, 4500-P C, Vanadomolybdophosphoric Acid Method	HI93763B-50 Reagents for up to 49 tests
Surfactants, Anionic (16 mm Vial)	0.00 to 3.50 mg/L (as SDBS)	0.01 mg/L	±0.10 mg/L ±5% of reading at 25 °C	610 nm	Adaptation of the Standard Method for the Examination of Water and Wastewater, 23rd Edition, 5540C, Anionic Surfactants as MBAS	HI96782-25 Reagents for 25 tests
Surfactants, Cationic (16 mm Vial)	0.00 to 2.50 mg/L (as CTAB)	0.01 mg/L	±0.15 ppm ±3% of reading at 25°C	420 nm	Bromophenol Blue Method	HI96785-25 Reagents for 25 tests
Surfactants, Nonionic (16 mm Vial)	0.00 to 6.00 mg/L (TRITON X-100)	0.01 mg/L	±0.10 mg/L ±5% of reading at 25 °C	610 nm	TBPE Method	HI96780-25 Reagents for 24 tests