

## Chemical Test Kits

### Multi-parameter Chemical Test Kits

Applications	Sectors	Parameters (number of tests)	Code
Acid Mining		Acidity, Alkalinity, Iron (100 each), pH	HI 3819
Agriculture		Nitrogen, Phosphorus, pH, Potassium (10 each)	HI 3895
Agriculture		Nitrogen, Phosphorus, pH, Potassium (25 each)	HI 3896
Alkalinity and Acidity		Acidity, Alkalinity (110 each)	HI 3813
Aquaculture		Alkalinity (110), Carbon Dioxide (110), Hardness (100), Dissolved Oxygen (110), pH, Salinity (110)	HI 3823
Aquarium		Ammonia, Nitrate, Nitrite, pH (50 each)	HI 3893
Backpack Lab™		Acidity (110), Alkalinity (110), Carbon Dioxide (110), Hardness (100), Dissolved Oxygen (110), Nitrate (100), Phosphate (100)	HI 3817BP
Backpack Lab™		Nitrogen, Phosphorus, pH, Potassium (50 each)	HI 3896BP
Boilers		Alkalinity (110), Chlorine (110), Hardness (100)	HI 3816
Boilers		Alkalinity (110), Chlorine (110), Hardness (100), Phosphate (100), pH, Sulfite (110)	HI 3827
Boilers		Alkalinity (110), Chlorine (110), Hardness (100), Iron (100), pH	HI 3828
Boilers		Phosphate (100), pH, Sulfite (110)	HI 3837
Boilers and Cooling Towers		Alkalinity (110), Chlorine (110), Hardness (100), Phosphate (100), Dissolved Oxygen (110), Sulfite (110)	HI 3821
Environmental Monitoring		Acidity (110), Alkalinity (110), Carbon Dioxide (110), Hardness (100), Dissolved Oxygen (110), pH	HI 3814
Olive Oil Acidity		Olive Oil Acidity (6)	HI 3897
Pools and Spas		Alkalinity (110), Bromine (60), Chlorine (50), pH	HI 3825
Pools and Spas		Free (50) & Total (50) Chlorine, pH (100)	HI 3887
Pools and Spas		Free (50) & Total (50) Chlorine, pH (100)	HI 3888
Water Quality		Alkalinity (110), Chlorine (110), Hardness (100), Iron (100), pH, Sulfite (110)	HI 3817



Agri-Food Sector



Water Analysis Sector



Industrial Sector



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Parameter	Range	Analysis Method	Sectors	Number of Tests	Code
Acidity	0-100, 0-500 mg/l	Titration		110	HI 3820
Acidity (Total exchangeable)	0.0-2.5 meq/100 g	Titration		100	HI 38084
Alkalinity (Phénol. and Total)	0-100, 0-300 ppm	Titration		110	HI 3811
Alkalinity (Phénol. and Total)	0.0-10.0, 0.0-20.0 gpg	Titration		200	HI 38013
Alkalinity, Total	0-500 gpg	Titration		100	HI 38014
Ascorbic Acid	10-200 mg/l	Titration		100	HI 3850
Boron	0.0-5.0 mg/l	Titration		100	HI 38074
Bromine	0.0-3.0 mg/l	Colorimetric		60	HI 3830
Carbon Dioxide	0.0-10.0, 0.0-50.0, 0-100 mg/l	Titration		110	HI 3818
Chloride	0-100, 0-1000 mg/l	Titration		110	HI 3815
Chloride (Extended Range)	500-10000, 5000-100000 mg/l	Titration		100	HI 38015
Chloride (COD Interference Test)	1000 mg/l (ISO) - 2000 mg/l (EPA)	Colorimetric		100	HI 3898
Chlorine, Free	0.0-2.5 mg/l	Colorimetric		50	HI 3831F
Chlorine, Free MR	0.0-3.5 mg/l	Checker Disc		100	HI 3875
Chlorine, Free LR & MR	0.00-0.70, 0.0-3.5 mg/l	Checker Disc		200	HI 38018
Chlorine, Free & pH	0.0-2.5 mg/l; 6.0-8.5 pH	Colorimetric		50, 100	HI 3887
Chlorine, Total	0.0-2.5 mg/l	Colorimetric		50	HI 3831T
Chlorine, Total MR	0.0-3.5 mg/l	Checker Disc		100	HI 38016
Chlorine, Total LR & MR	0.00-0.70, 0.0-3.5 mg/l	Checker Disc		200	HI 38019
Chlorine, Total HR	0.0-4.0, 0.0-20.0 mg/l	Titration		100	HI 38022
Chlorine, Total (Extended Range)	10-200 mg/l	Titration		100	HI 38023
Chlorine, Total & pH	0.0-2.5 mg/l; 6.0-8.5 pH	Colorimetric		50, 100	HI 3888
Chlorine, Free & Total LR & MR	0.00-0.70, 0.0-3.5 mg/l	Checker Disc		200	HI 38017
Chlorine, Free & Total LR, MR & HR	0.00-0.70, 0.0-3.5, 0.0-10.0 mg/l	Checker Disc		200	HI 38020
Chromium, Hexavalent MR & HR	0-100, 100-1000 mg/l	Titration		100	HI 3845
Chromium, Hexavalent	0.0-1.0 mg/l	Colorimetric		100	HI 3846
Copper	0.0-2.5 mg/l	Colorimetric		100	HI 3847
Copper LR	0.00-0.25 mg/l	Colorimetric		100	HI 3856
Copper (Wide Range)	0.00-0.25, 0.0-6.0 mg/l	Colorimetric		100	HI 38075
Cyanides	0.00-0.30 mg/l	Checker Disc		100	HI 3855
Cyanuric Acid	10-100 mg/l	Turbidimetric		100	HI 3851
Detergents	0.00-1.30 mg/l	Checker Disc		35	HI 3857
Formaldehyde	0.00-1.00%, 0.0-10.0%	Titration		100	HI 3838
Glycols	présence/absence	Visual		25	HI 3859
Hardness, Calcium	0-125, 0-250 mg/l	Turbidimetric		100	HI 38086
Hardness, Ca & Mg (Irrigation)	> 0.0 meq/l	Titration		100	HI 38081
Hardness, Ca & Mg (soil)	> 0.0 meq/100 g	Titration		100	HI 38080
Hardness, Total LR	0-150 mg/l	Titration		50	HI 3840
Hardness, Total MR	40-500 mg/l	Titration		50	HI 3841
Hardness, Total HR	400-3000 mg/l	Titration		50	HI 3842
Hardness, Total	0-30 gpg	Titration		100	HI 38033
Hardness, Total	0.0-30.0, 0-300 mg/l	Titration		100	HI 3812
Hardness, Total	0.0-20.0 gpg, 0.0-20.0 ppm	Titration		100	HI 38034
Hardness, Total & Calcium	0.0-20.0 gpg (CaCO <sub>3</sub> ), 0.0-20.0 gpg (Ca)	Titration		100	HI 38035

Agri-Food Division Water Analysis Division Industrial Division

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Parameter	Range	Analysis Method	Sectors	Number of Tests	Code
Hydrazine	0.00-1.00 mg/l	Checker Disc		100	HI 3849
Hydrogen Peroxide	0.00-2.00, 0.0-10.0 mg/l	Titration		100	HI 3844
Hydroxide	0.00-1.00, 0.0-10.0 g/l	Titration		110	HI 3839
Hypochlorite	50-150 g/l	Titration		100	HI 3843
Iodine	0.0-2.5 mg/l	Colorimetric		50	HI 3832
Iodine	0-5 mg/l	Colorimetric		100	HI 3879
Iron	0-5 mg/l	Colorimetric		50	HI 3834
Iron LR	0.00-1.00 mg/l	Checker Disc		100	HI 38039
Iron MR	0.0-5.0 mg/l	Checker Disc		100	HI 38040
Iron HR	0.0-10.0 mg/l	Checker Disc		100	HI 38041
Iron & Total Hardness	0-5 mg/l; 40-500 mg/l	Colorimetric, titration		50, 50	HI 3889
Magnesium	0.0-240.0, 0.0-725.0 mg/l	Titration			HI 38079
Manganese LR	0.0-3.0 mg/l	Checker Disc		100	HI 38042
Manganese (Irrigation)	0.0-10.0 mg/l	Checker Disc		100	HI 38072
Nitrogen, Ammonia (Fresh Water)	0.0-2.5 mg/l	Colorimetric		25	HI 3824
Nitrogen, Ammonia (Fresh Water)	0.0-3.0 mg/l	Checker Disc		100	HI 38049
Nitrogen, Ammonia (Salt Water)	0.0-2.5 mg/l	Colorimetric		25	HI 3826
Nitrogen, Nitrate	0-50 mg/l	Colorimetric		100	HI 3874
Nitrogen, Nitrate (Irrigation and soil)	0-60 mg/l	Checker Disc		100, 100	HI 38050
Nitrogen, Nitrite	0.00-0.50 mg/l	Checker Disc		100	HI 38051
Nitrogen, Nitrite	0.0-1.0 mg/l	Colorimetric		100	HI 3873
Dissolved Oxygen	0.0-10.0 mg/l	Titration		110	HI 3810
Ozone	0.0-2.3 mg/l	Checker Disc		100	HI 38054
pH	4.0-8.0 mg/l	Colorimetric		200	HI 3881-5
pH	4.0-6.5 pH	Colorimetric		100	HI 3880/0
pH	6.0-8.5 pH	Colorimetric		100	HI 3881/0
pH	7.5-10.0 pH	Colorimetric		100	HI 3886/0
pH	3.0-5.0 pH	Checker Disc		200	HI 3882
pH	4.0-10.0 pH	Checker Disc		300	HI 38058
Phenols	0.00-1.00, 0.5-5.0 mg/l	Checker Disc		100	HI 3864
Phosphate LR	0-5 mg/l	Colorimetric		50	HI 3833
Phosphate MR	0.0-5.0 mg/l	Checker Disc		100	HI 38077
Phosphate HR	0.00-1.00, 0.0-5.0, 0-50 mg/l	Checker Disc		100	HI 38061
Phosphorus (soil)	0.0-130.0 mg/l	Checker Disc		100	HI 38073
Potassium (soil)	0-50, 50-250 mg/l	Turbidimetric		100	HI 38082
Salinity	0.0-40.0 g/kg	Titration		110	HI 3835
Silica LR	0.00-1.00 mg/l	Checker Disc		100	HI 38066
Silica HR	0-40, 0-800 mg/l	Checker Disc		100	HI 38067
Sodium Absorption Ratio (SAR)	> 0.0 meq/l	Titration		100	HI 38078
Sodium (exchangeable)	0.00-56.40 meq/100 g	Titration		100	HI 38083
Sulfate	20-100 mg/l	Turbidimetric		100	HI 38000
Sulfate (gamme élargie)	100-1000, 1000-10000 mg/l	Titration		200	HI 38001
Sulfite	0.0-20.0, 0-200 mg/l	Titration		110	HI 3822
Zinc	0.0-3.0 mg/l	Colorimetric		100	HI 3854
Zinc	0.0-4.0, 0.0-20.0 mg/l	Checker Disc		100	HI 38076