

HI 801 iris 측정 항목 및 시약 정보

항목	범위	정확도 (@25°C)	측정 방법	λ (nm)	시약 품명
Alkalinity	0-500 mg/L CaCO ₃	±5 mg/L ±5% of reading	Bromocresol green	610	HI775-26
Alkalinity, Marine	0-300 mg/L CaCO ₃	±5 mg/L ±5% of reading	Bromocresol green	610	HI755-26
Aluminum	0.00-1.00 mg/L Al ³⁺	±0.04 mg/L ±4% of reading	Aluminon	530	HI93712-01
Ammonia LR	0.00-3.00 mg/L NH ₃ -N	±0.04 mg/L ±4% of reading	Nessler	425	HI93700-01
Ammonia LR	0.00-3.00 mg/L NH ₃ -N	±0.10 mg/L or 5% of reading	Nessler	425	HI93764A-25
Ammonia MR	0.00-10.00 mg/L NH ₃ -N	±0.05 mg/L ±5% of reading	Nessler	425	HI93715-01
Ammonia HR	0.0-100 mg/L NH ₄ ⁺	±0.5 mg/L ±5% of reading	Nessler	425	HI93733-01
Ammonia HR	0.0-100 mg/L NH ₃ -N	±1 mg/L or 5% of reading	Nessler	430	HI93764B-25
Bromine	0.00-10.00 mg/L (mg/L)	±0.08 mg/L ±3% of reading	DPD	525	HI93716-01
Calcium	0-400 mg/L Ca ²⁺	±10 mg/L ±5% of reading	Oxalate	466	HI937521-01
Calcium, Marine	200-600 mg/L Ca ²⁺	±5% of reading	Zincon	610	HI758-26
Chloride	0.0-20.0 mg/L Cl ⁻	±0.5 mg/L ±5% of reading	Mercury thiocyanate	455	HI93753-01
Chlorine Dioxide	0.00-2.00 mg/L ClO ₂	±0.10 mg/L ±5% of reading	Chlorophenol Red	575	HI93738-01
Chlorine Dioxide, Rapid	0.00-2.00 mg/L ClO ₂	±0.10 mg/L ±5% of reading	DPD-Glycine	525	HI96779-01
Chlorine Free ULR	0.000-0.500 mg/L Cl ₂	±0.020 mg/L ±3% of reading	DPD	525	HI95762-01
Chlorine, Free LR (powder reagent)	0.00-5.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93701-01
Chlorine, Free LR (liquid reagent)	0.00-5.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93701-F
Chlorine, Free HR	0.00-10.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93734-01
Chlorine, Total ULR	0.000-0.500 mg/L Cl ₂	±0.020 mg/L ±3% of reading	DPD	525	HI95761-01
Chlorine, Total LR (powder reagent)	0.00-5.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93711-01
Chlorine, Total LR (liquid reagent)	0.00-5.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93701-T
Chlorine, Total HR	0.00-10.00 mg/L Cl ₂	±0.03 mg/L ±3% of reading	DPD	525	HI93734-01
Chlorine UHR	0-500 mg/L Cl ₂	±3 mg/L ±3% of reading	DPD	525	HI95771-01
Chromium(VI) LR	0-300 µg/L Cr ⁶⁺	±10 µg/L ±4% of reading	Diphenylcarbohydrazide	535	HI93749-01
Chromium(VI) HR	0-1000 µg/L Cr ⁶⁺	±5 µg/L ±4% of reading	Diphenylcarbohydrazide	535	HI93723-01
Chromium, Total and VI (16 mm vial)	0 - 1000 µg/L (as Cr)	±10 µg/L ±3% of reading	Diphenylcarbohydrazide	525	HI96781-25
COD LR EPA	0-150 mg/L O ₂	±5 mg/L or 4% of reading	Dichromate EPA	420	HI93754A-25
COD LR Hg free	0-150 mg/L O ₂	±5 mg/L or 4% of reading	Dichromate Mercury Free	420	HI93754D-25
COD LR ISO	0-150 mg/L O ₂	±5 mg/L or 4% of reading	Dichromate ISO	420	HI93754F-25
COD MR EPA	0-1500 mg/L O ₂	±15 mg/L or 3% of reading	Dichromate EPA	610	HI93754B-25
COD MR Hg free	0-1500 mg/L O ₂	±15 mg/L or 3% of reading	Dichromate Mercury Free	610	HI93754E-25
COD MR ISO	0-1500 mg/L O ₂	±15 mg/L or 3% of reading	Dichromate ISO	610	HI93754G-25
COD HR EPA	0-15000 mg/L O ₂	±150 mg/L or 2% of reading	Dichromate EPA	610	HI93754C-25
COD UHR	0.0 to 60.0 g/L (as O ₂)	±0.5 mg/L ±3% of reading	Dichromate	610	HI93754I-25
Color of Water	0-500 PCU	±10 PCU ±5% of reading	Platinum Cobalt	460	
Copper LR	0-1500 µg/L Cu ²⁺	±10 µg/L ±5% of reading	Bicinchoninate	575	HI95747-01
Copper HR	0.00-5.00 mg/L Cu ²⁺	±0.02 mg/L or 4% of reading	Bicinchoninate	560	HI93702-01
Cyanide	0.000-0.200 mg/L CN ⁻	±0.005 mg/L ±3% of reading	Pyridine-Pyrazalone	610	HI93714-01
Cyanuric Acid	0-100 mg/L CYA	±1 mg/L ±15% of reading	Turbidimetric	525	HI93722-01
Fluoride LR	0.00-2.00 mg/L F ⁻	±0.03 mg/L ±3% of reading	SPADNS	575	HI93729-01
Fluoride HR	0.0-20.0 mg/L F ⁻	±0.5 mg/L ±3% of reading	SPADNS	575	HI93739-01
Hardness Calcium	0.00-2.70 mg/L CaCO ₃	±0.08 mg/L ±4% of reading	Calmagite	523	HI93720-01
Hardness Magnesium	0.00-2.00 mg/L CaCO ₃	±0.11 mg/L ±5% of reading	EDTA	523	HI93719-01
Hardness Total LR	0-250 mg/L CaCO ₃	±5 mg/L ±4% of reading	Calmagite	466	HI93735-00
Hardness Total MR	200-500 mg/L CaCO ₃	±7 mg/L ±3% of reading	Calmagite	466	HI93735-01
Hardness Total HR	400-750 mg/L CaCO ₃	±10 mg/L ±2% of reading	Calmagite	466	HI93735-02
Hydrazine	0-400 µg/L N ₂ H ₄	±3 µg/L ±3% of reading	Dimethyl-aminobenzaldehyde	466	HI93704-01
Iodine	0.0-12.5 mg/L I ₂	±0.1 mg/L ±5% of reading	DPD	525	HI93718-01

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Iron LR	0.00-1.60 mg/L Fe	±0.01 mg/L ±8% of reading	TPTZ	575	HI93746-01
Iron HR	0.00-5.00 mg/L Fe	±0.04 mg/L ±2% of reading	Phenanthroline	525	HI93721-01
Iron (II) (ferrous)	0.00 - 6.00 mg/L Fe ²⁺	±0.10 mg/L ±2% of reading	Phenanthroline	525	HI96776-01
Iron, Total	0.00 - 7.00 mg/L Fe	±0.20 mg/L ±3% of reading	Phenanthroline	525	HI96778-25
Magnesium	0-150 mg/L Mg ²⁺	±5 mg/L ±3% of reading	Calmagite	466	HI937520-01
Manganese LR	0-300 µg/L Mn	±7 µg/L ±3% of reading	PAN	560	HI93748-01
Manganese HR	0.0-20.0 mg/L Mn	±0.2 mg/L ±3% of reading	Periodate	525	HI93709-01
Maple Syrup	0.0-100.0%T	±3% @75 %T	Direct measure	560	HI93703-57
Molybdenum	0.0-40.0 mg/L Mo ⁶⁺	±0.3 mg/L ±5% of reading	Mercaptoacetic acid	420	HI93730-01
Nickel LR	0.000-1.000 mg/L Ni	±0.010 mg/L ±7% of reading	PAN	565	HI93740-01
Nickel HR	0.00-7.00 ppt Ni	±0.07 ppt ±4% of reading	Photometric	575	HI93726-01
Nitrate	0.0-30.0 mg/L N-NO ₃	±0.5 mg/L ±10% of reading	Cadmium reduction	525	HI93728-01
Nitrate (Chromotropic acid)	0.0-30.0 mg/L N-NO ₃	±1.0 mg/L ±3% of reading	Chromotropic acid	410	HI93766-50
Nitrite Marine ULR	0-200 µg/L N-NO ₂	±8 µg/L ±4% of reading	Diazotization	480	HI764-25
Nitrite LR	0-600 µg/L N-NO ₂	±20 µg/L ±4% of reading	Diazotization	480	HI93707-01
Nitrite LR	0 to 600 ug/L (as NO ₂ ⁻ -N)	±10 µg/L ±3% of reading	Diazotization	525	HI96783-25
Nitrite MR	0.00 to 6.00 mg/L (as NO ₂ ⁻ -N)	±0.10 mg/L ±3% of reading	Diazotization	525	HI96784-25
Nitrite HR	0-150 mg/L N-NO ₂	±4 mg/L ±4% of reading	Ferrous sulfate	575	HI93708-01
Nitrogen Total LR	0.0-25.0 mg/L N	±1 mg/L or 5% of reading	Chromotropic acid	420	HI93767A-50
Nitrogen Total HR	10-150 mg/L N	±3 mg/L or 4% of reading	Chromotropic acid	420	HI93767B-50
Oxygen Dissolved	0.0-10.0 mg/L O ₂	±0.4 mg/L ±3% of reading	Winkler	466	HI93732-01
Oxygen Scavengers (Carbohydrazide)	0.00-1.50 mg/L	±0.02 mg/L ±3% of reading	Iron reduction	575	HI96773-01
Oxygen Scavengers (DEHA)	0-1000 µg/L	±5 µg/L ±5% of reading	Iron reduction	575	HI96773-01
Oxygen Scavengers (ISO-Ascorbic Acid)	0.00-4.50 mg/L	±0.03 mg/L ±3% of reading	Iron reduction	575	HI96773-01
Oxygen Scavengers (Hydroquinone)	0.00-2.50 mg/L	±0.04 mg/L ±3% of reading	Iron reduction	575	HI96773-01
Ozone	0.00-2.00 mg/L O ₃	±0.02 mg/L ±3% of reading	DPD	525	HI93757-01
pH	6.5-8.5 pH	±0.1 pH	Phenol red	525	HI93710-01
Phosphorus Marine ULR	0-200 µg/L P	±5 µg/L ±5% of reading	Ascorbic acid	610	HI736-25
Phosphate LR	0.00-2.50 mg/L PO ₄ ³⁻	±0.04 mg/L ±4% of reading	Ascorbic Acid	610	HI93713-01
Phosphate HR	0.0-30.0 mg/L PO ₄ ³⁻	±1 mg/L ±4% of reading	Amino Acid	525	HI93717-01
Phosphorus Acid Hydrolyzable	0.00-1.60 mg/L P	±0.05 mg/L or 5% of reading	Ascorbic acid	610	HI93758B-50
Phosphorus , Reactive LR	0.00-1.60 mg/L P	±0.05 mg/L or 4% of reading	Ascorbic acid	610	HI93758A-50
Phosphorus , Reactive HR	0.0-32.6 mg/L P	±0.5 mg/L or 4% of reading	Vanadomolybdo-phosphoric acid	420	HI93763A-50
Phosphorus, Total LR	0.00-1.60 mg/L P	±0.05 mg/L or 5% of reading	Adenosine 5'-monophosphate monohidrat	610	HI93758C-50
Phosphorus, Total HR	0.0-32.6 mg/L P	±0.5 mg/L or 5% of reading	Adenosine 5'-monophosphate monohidrat	420	HI93763B-50
Potassium LR	0.0-20.0 mg/L K	2 mg/L ±7% of reading	Turbidimetric tetraphenylborate	466	HI93750-01
Potassium MR	10-100 mg/L K	±10 mg/L ±7% of reading	Turbidimetric tetraphenylborate	466	HI93750-01
Potassium HR	20-200 mg/L K	±20 mg/L ±7% of reading	Turbidimetric tetraphenylborate	466	HI93750-01
Silica LR	0.00-2.00 mg/L SiO ₂	±0.03 mg/L ±5% of reading	Heteropoly Blue	610	HI93705-01
Silica HR	0-200 mg/L SiO ₂	±1 mg/L ±5% of reading	Molybdosilicate	466	HI96770-01
Silver	0.000-1.000 mg/L Ag	±0.02 mg/L ±5% of reading	PAN	570	HI93737-01
Sulfate	0-150 mg/L SO ₄ ²⁻	±5 mg/L ±3% of reading	Turbidimetric	466	HI93751-01
Surfactants Anionic	0.0-3.50 mg/L SDBS	±0.04 mg/L ±3% of reading	Methylene blue	610	HI95769-01
Surfactants Anionic	0.0-3.50 mg/L SDBS	±0.10 mg/L ±5% of reading	Methylene blue	610	HI96782-25
Surfactants Nonionic	0.0-6.00 mg/L TRITON X-100	±0.10 mg/L ±5% of reading	TBPE	610	HI96780-25
Zinc	0.00-3.00 mg/L Zn	±0.03 mg/L ±3% of reading	Zincon	620	HI93731-01