6. Reagent list

Item	Item	Range(mg/L)	Reaction Time	Reagent model LR-	Reagent No.	Remarks/Required Reagent & Apparatus	Attached reagents of L-9000F
Al	Aluminum	0.050～0.400	5min.	Al	24		
B	Boron	0.50～5.00	30min.	B	39		
Ca	Calcium	0.5～15.0	2min.	Ca-B	48		●
Cl	Chloride	2.0～40.0	3min.	Cl	10		●
ClO-C	Residual Chlorine (High Range)	2～300	1min.	ClO-C	11C		
ClO-DPD	Residual Chlorine (Free)	0.05～2.00	1min.	ClO·DP	11B		●
T-ClO	Total Residual Chlorine	0.05～2.00	[3min.]	ClO·DP	11B	LR-ClO-RB	●
CN	Free Cyanide	0.010～0.300	33min.	CN	14B		●
CN^T	Total Cyanide	0.10～3.00	[18min.]	CNT	46	Water Analysis Set Total Cyanide	
CN^T-D	Total Cyanide (Low Range)	0.005～0.150	[40min.]	CN-B	14B	Water Analysis Set Total Cyanide (Low Range)	
COD	Chemical Oxygen Demand	2.0～10.0	10min.	COD-B	44		
Color	Chromaticity	50～1000	0min.	—	—		
Cr^{6+}	Chromium (Hexavalent)	0.020～1.100	5min.	Cr^{6+}	31		●
Cr^T	Total Chromium	0.020～1.100	[15min.]	Cr^T	40	Heater	●
Cu	Copper	0.10～5.00	3min.	50Cu	50		●
DO	Dissolved Oxygen	1.0～11.0	2min.	AZ-DO-30	—	DO Adapter	
F	Fluoride (Free)	0.20～1.20	15min.	F-B	13B		
Fe	Iron	0.20～5.00	3min.	Fe^T-B	41B		●
Fe-D	Iron (Low Range)	0.05～2.00	2min.	Fe^T-D	42		●
Fe^{2+}	Iron (Divalent)	0.20～5.00	3min.	Fe^{2+}	29		●
Fe^{2+}-D	Iron (Divalent) (Low Range)	0.05～2.00	2min.	Fe^{2+}-D	29D		
FOR	Formaldehyde	0.050～0.800	15min.	FOR	51		
H_2O_2	Hydrogen Peroxide	0.05～2.00	10min.	H_2O_2-B	45B		
K	Potassium	2.00～8.00	5min.	K	36		
$KMnO_4$	Potassium Permanganate Consumption	2.0～10.0	10min.	COD-B	44	common reagent as COD	
Mn	Manganese	0.50～15.00	5min.	Mn	28		●
NH_4	Ammonium	0.10～4.00	8min.	NH_4-A	17A		●
NH_4-N	Ammonium-Nitrogen	0.08～3.20	8min.	NH_4-A	17A		
NH_4-D	Ammonium (Low Range)	0.10～4.00	[30min.]	NH_4-A	17A	Water Analysis Set Ammonium (Low Range)	
NH_4-N-D	Ammonium-Nitrogen (Low Range)	0.08～3.20	[30min.]	NH_4-A	17A	Water Analysis Set Ammonium (Low Range)	

Item	Item	Range(mg/L)	Reaction Time	Reagent model LR-	Reagent No.	Remarks/Required Reagent & Apparatus	Attached reagents of L-9000F
Ni	Nickel	1.00～8.00	5min.	Ni	27		●
NO_2	Nitrite	0.020～0.700	5min.	NO_2	18		●
NO_2-N	Nitrite-Nitrogen	0.006～0.200	5min.	NO_2	18		
NO_3_1	Nitrate(NO_2=0)	0.20～5.00	5min.	NO_3	19		●
NO_3_2	Nitrate(NO_2≤0.1)	0.20～5.00	[10min.]	NO_3	19	LR-NO_2	
NO_3_3	Nitrate(NO_2≤10)	0.20～5.00	[10min.]	NO_3	19	NO_3-RA	
NO_3-N_1	Nitrate-Nitrogen(NO_2-N=0)	0.050～1.100	5min.	NO_3	19		
NO_3-N_2	Nitrate-Nitrogen(NO_2-N≤0.03)	0.050～1.100	[10min.]	NO_3	19	LR-NO_2	
NO_3-N_3	Nitrate-Nitrogen(NO_2-N≤3)	0.050～1.100	[10min.]	NO_3	19	NO_3-RA	
O_3	Ozone	0.20～5.00	10min.	O_3	54		
Pb	Lead	0.20～5.00	3min.	Pb	35		
Pb-KCN	Lead(use of KCN)	0.20～5.00	4min.	Pb	35	KCN	
Phenol	Phenol	0.20～5.00	5min.	PNL	7		
PO_4	Phosphate	0.10～3.00	5min.	PO_4	12		●
PO_4-P	Phosphate-Phosphorus	0.030～1.000	5min.	PO_4	12		
S	Sulfide(Hydrogen sulfide)	0.050～0.800	3min.	S	53		
SiO_2-D	Silica(Low Range)	0.30～5.00	10min.	SiO_2D	20D		
SO_4	Sulfate	10～200	5min.	SO_4	16		●
TH	Total Hardness	5.0～100.0	2min.	TH-B	47		●
Turbid	Turbidity	5.0～100.0	0min.	—	—		
Zn	Zinc	0.10～2.00	5min.	Zn	26		●
Zn-KCN	Zinc(use of KCN)	0.15～2.00	6min.	ZnB	26B	KCN	
ABS	Absorbance	-3.000～3.000 Abs.	0min.	—	—		

※ KCN solution needs to be prepared on users own.
※ Figure in [ ] is an approximate time including pretreatment procedure.