

Environmental Measurement Data

■ Water quality Unit: Other than hydrogen ion index (mg/L)

Kohoku Plant (Water discharge destination: Sewerage)

Item	National standards	Prefectural standards	Voluntary standards	Actual value		
				Maximum	Average	
BOD	600	600	540	540	187	
Amount of suspended solids	600	600	300	88	33	
n-Hexane	5	5	4.5	<1	<1	
Copper	3	3	1	0.62	0.33	
Zinc ¹	2	2	1	0.09	0.07	
Soluble iron	10	10	5	0.11	0.02	
Hydrogen ion exponent	5.0 ~9.0	5.0 ~9.0	5.2 ~8.8	Minimum	Maximum	7.4
				7.0	8.0	

Wakaho Plant (Water discharge destination: Sewerage)

Item	National standards	Prefectural standards	Voluntary standards	Actual value		
				Maximum	Average	
BOD	600	600	540	400	261	
Amount of suspended solids	600	600	200	130	66	
n-Hexane	5	5	4.5	<1	<1	
Copper	3	2	1.8	0.46	0.24	
Zinc ¹	4	3	1	<0.02	<0.02	
Soluble iron	10	10	3	<0.02	<0.02	
Soluble manganese	10	10	4	0.11	0.07	
Chromium	2	2	0.4	<0.02	<0.02	
Hydrogen ion exponent	5.0 ~9.0	5.0 ~9.0	5.2 ~8.8	Minimum	Maximum	7.8
				7.5	8.0	

Takaoka Plant (Water discharge destination: River)

Item	National standards	Prefectural standards	Voluntary standards	Actual value		
				Maximum	Average	
BOD	160	30	27	9.4	2.9	
Amount of suspended solids	200	50	25	14	7	
n-Hexane	5	5	2	<1	<1	
Copper	3	2	1	0.19	0.09	
Zinc ¹	4	3	1.5	0.05	0.02	
Soluble iron	10	10	3	1.60	0.17	
Soluble manganese	10	10	3	0.17	0.04	
Chromium	2	1	0.5	<0.02	<0.02	
Hydrogen ion exponent	5.8 ~8.6	5.8 ~8.6	6.0 ~8.4	Minimum	Maximum	7.4
				6.9	8.2	

Arai Plant (Water discharge destination: River)

Item	National standards	Prefectural standards	Voluntary standards	Actual value		
				Maximum	Average	
BOD	160	25	23	3.9	2.5	
Amount of suspended solids	200	50	32	4	3	
n-Hexane	5	5	4	<1	<1	
Copper	3	2	1	0.05	0.03	
Zinc ¹	4	4	1	0.10	0.10	
Soluble iron	10	10	5	3.70	1.98	
Soluble manganese	10	10	3	0.54	0.43	
Chromium	2	2	0.5	<0.02	<0.02	
Hydrogen ion exponent	5.8 ~8.6	5.8 ~8.6	6.0 ~8.4	Minimum	Maximum	7.4
				7.1	7.7	

Kyogase Plant (Water discharge destination: River)

Item	National standards	Prefectural standards	Voluntary standards	Actual value		
				Maximum	Average	
BOD	160	160	80	15	6.8	
Amount of suspended solids	200	200	65	2	1	
n-Hexane	5	5	2	<1	<1	
Copper	3	3	1	0.05	0.02	
Zinc ¹	4	4	1	0.02	<0.02	
Soluble iron	10	10	3	0.54	0.19	
Soluble manganese	10	10	3	0.03	0.02	
Chromium	2	2	0.5	<0.02	<0.02	
Hydrogen ion exponent	5.8 ~8.6	5.8 ~8.6	6.2 ~8.2	Minimum	Maximum	6.8
				6.4	7.0	

¹ National and prefectural standards are provisional standards until December 10, 2024.