Table 2

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) (%)	Requirement(s)
				Influent spiked water	Effluent filtrated water		Maximum effluent concentration (mg/L) according to NSF/ANSI 58
1	Mercury (Hg)	mg/L	EPA 200.8	0.0066	<0.0002	>96.96	0.002
2	Chromium (Hexavalent)	mg/L	EPA 200.8	0.297	<0.001	>99.66	0.1
3	Chromium (Trivalent)	mg/L	EPA 200.8	0.283	<0.001	>99.64	0.1
4	Lead (Pb)	mg/L	EPA 200.8	0.1558	<0.0002	>99.87	0.005
5	Barium (Ba)	mg/L	EPA 200.8	8.828	<0.005	>99.94	2.0
6	Selenium (Se)	mg/L	EPA 200.8	0.107	<0.001	>99.06	0.05
7	Copper (Cu	mg/L	EPA 200.8	2.755	<0.005	>99.81	1.3
8	Total dissolved solids (TDS)	mg/L	APHA 2540C	792	34	95.71	/
9	Nitrate (as N)	mg/L	EPA 300.0	27.400	2.207	91.95	10.0
10	Fluoride	mg/L	EPA 300.0	8.016	0.066	99.18	1.5
11	Nitrite (as N)	mg/L	EPA 300.0	3.178	0.060	98.11	1.0

Table 3

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) (%)	Requirement(s)
				Influent spiked water	Effluent filtrated water		Maximum effluent concentration (mg/L) according to NSF/ANSI 53
12	Perfluorooctane Sulfonate (PFOS)	µg/L	EPA 537.1	0.98	<0.01	>98.97	0.00007
13	Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	0.90	<0.01	>98.88	0.00007

Table 4

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) (%)	Requirement(s)
				Influent spiked water	Effluent filtrated water		Percent reduction requirement (%) according to NSF/ANSI 53
14	Chloroform	mg/L	EPA Method 524.2	0.2251	<0.0001	>99.95	≥95

Table 5

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) (%)
				Influent spiked water	Effluent filtrated water	
15	Total coliforms	CFU/100mL	APHA 9222B	6.6×10^5	<1	>99.99

Remark:

1. *Removal rate (%) = (test result of Influent spiked water – test result of Effluent filtrated water) / test result of Influent spiked water x 100%.
2. The flow rate was 4.5 L/min.

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