



The System Tested and Certified by IAPMO R&T against **NSF/ANSI 58** for the reduction of the claims specified on the Performance Data Sheet, and **NSF/ANSI 372** ($\leq 0.25\%$ lead).

PERFORMANCE DATA SHEET

NSF/ANSI 58 Standard				
Substance	NSF Specified Challenge Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	Test Result
TDS	750±40mg/L	/	≥75%	94.6%

The substances listed in the table below were independently tested in a third-party laboratory in accordance with NSF/ANSI Standards 53 & 58.

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) 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	38	95.20	/
9	#Nitrate (as N)	mg/L	EPA 300.0	27.400	1.398	94.90	10.0
10	#Fluoride	mg/L	EPA 300.0	8.016	0.160	98.00	1.5
11	#Nitrite (as N)	mg/L	EPA 300.0	3.178	0.150	95.28	1.0

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) NSF/ANSI 53
1	#Perfluorooctane Sulfonate (PFOS)	µg/L	EPA 537.1	0.98	<0.01	>98.97	0.00007
2	#Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	0.90	<0.01	>98.88	0.00007

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 (%) NSF/ANSI 53
1	#Chloroform	mg/L	EPA Method 524.2	0.2251	<0.0001	>99.95	≥95

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

NO	Test item(s)	Spiked substance(s)
1	Mercury (Hg)	Mercury standard solution
2	Chromium(Hexavalent)	Potassium dichromate
3	Chromium(Trivalent)	Standard solution (Chromium+3)
4	Lead (Pb)	Lead nitrate
5	Barium (Ba)	Barium chloride
6	Selenium (Se)	Standard solution (Selenium)
7	Copper (Cu)	Copper sulfate pentahydrate
8	Total dissolved solids (TDS)	Sodium chloride
9	Total coliforms	<i>Escherichia coli</i> ATCC 25922
10	#Chloroform	Chloroform
11	#Nitrate (as N)	Sodium nitrate
12	#Fluoride	Sodium fluoride
13	#Nitrite (as N)	Sodium nitrite
14	#Perfluorooctane Sulfonate (PFOS)	Perfluorooctane Sulfonate (PFOS)
15	#Perfluorooctanoic acid (PFOA)	Perfluorooctanoic acid (PFOA)