

Kitchen Filter Testing



Wellness Kitchen Performance Data Sheet

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Note: All tests completed in accordance with NSF/ANSI standards 42, 53, & P-231 for reduction of the substances listed below. The concentration of the individual substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in the NSF 42, 53, & P-231 standards.

Substance	Percent Reduction (actual product performance)	Influent Challenge (mg/L unless specified)	Max permissible water concentration (mg/L unless specified)
ALACHLOR [Ⓢ]	>98%	0.050	0.001 ³
ASBESTOS	>99.9%	10 ⁷ to 10 ⁸ fibers/L; fibers greater than 10 micrometers in length	99% reduction requirement
ATRAZINE [Ⓢ]	>97%	0.100	0.003
BACTERIA (Raoultella terrigena)	99.9999%	1*10 ⁵ CFU/ml - 1*10 ⁶ CFU/ml	6 LRV (log reduction value)
BENZENE [Ⓢ]	>99%	0.081	0.001
BROMODICHLOROMETHANE (TTHM) [Ⓢ]	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM) [Ⓢ]	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan) [Ⓢ]	>99%	0.190	0.001
CARBON TETRACHLORIDE [Ⓢ]	98%	0.078	0.0018
CHLORAMINE as Aesthetic Effect (Monochloramine)	>97%	3.0 mg/L +/- 10%	0.5mg/L
CHLORINE as Aesthetic Effect	>99%	2.0 mg/L +/- 10%	> or = 50%
CHLORDANE	>99.5%	0.04 +/- 10%	0.002
CHLOROBENZENE (Monochlorobenzene) [Ⓢ]	>99%	0.077	0.001
CHLOROPICRIN [Ⓢ]	99%	0.015	0.0002
CHLOROFORM (TTHM) [Ⓢ] (surrogate chemical)	>99.8%	0.300 +/- 0.30	0.015
Cryptosporidium (CYST)	99.95%	minimum 50,000/mL	99.95%
CYST (Giardia; Cryptosporidium; Entamoeba; Toxoplasma)	99.95%	minimum 50,000/mL	99.95%
2, 4-D [Ⓢ]	98%	0.110	0.0017
DBCP (see Dibromochloropropane) [Ⓢ]	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE) [Ⓢ]	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE) [Ⓢ]	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane) [Ⓢ]	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP) [Ⓢ]	>99%	0.052	0.00002
o-DICHLOROBENZENE (1,2 Dichlorobenzene) [Ⓢ]	>99%	0.080	0.001
p-DICHLOROBENZENE (para-Dichlorobenzene) [Ⓢ]	>98%	0.040	0.001
1,2-DICHLOROETHANE (1,2-DCA) [Ⓢ]	95%	0.088	0.0048
1,1-DICHLOROETHYLENE (1,1-DCE) [Ⓢ]	>99%	0.083	0.001
CIS-1,2-DICHLOROETHYLENE [Ⓢ]	>99%	0.170	0.0005
TRANS-1,2- DICHLOROETHYLENE [Ⓢ]	>99%	0.086	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride) [Ⓢ]	>99%	0.080	0.001
CIS-1,3- DICHLOROPROPYLENE [Ⓢ]	>99%	0.079	0.001
DINOSEB [Ⓢ]	99%	0.170	0.0002
EDB (see ETHYLENE DIBROMIDE) [Ⓢ]	>99%	0.044	0.00002
ENDRIN [Ⓢ]	99%	0.053	0.00059
Entamoeba (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
ETHYLBENZENE [Ⓢ]	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB) [Ⓢ]	>99%	0.044	0.00002
Furadan (see CARBOFURAN) [Ⓢ]	>99%	0.190	0.001
Giardia Lamblia (see CYST)	>99.95%	minimum 50,000/mL	99.95%

Ⓢ Percent reduction reflects the allowable claims for Volatile Organic Chemicals/Compounds as per NSF/ANSI 53 Standard, Section 7.2.4.1.



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Substance	Percent Reduction <small>(actual product performance)</small>	Influent Challenge <small>(mg/L unless specified)</small>	Max permissible water concentration <small>(mg/L unless specified)</small>
HALOACETONITRILES (HAN)^①			
BROMOCHLOROACETONITRILE	98%	0.022	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006
DICHLOROACETONITRILE	98%	0.0096	0.0002
TRICHLOROACETONITRILE	98%	0.015	0.0003
HALOKETONES (HK):^①			
1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
HEPTACHLOR^①	>99%	0.25	0.00001
HEPTACHLOR EPOXIDE^①	98%	0.0107	0.0002
HEXACHLORO BUTADIENE (Perchlorobutadiene)^①	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE^①	>99%	0.060	0.000002
LEAD (pH 6.5)	>99.3%	0.15 +/- 10%	0.010
LEAD (pH 8.5)	>99.3%	0.15 +/- 10%	0.010
LINDANE^①	>99%	0.055	0.00001
MERCURY (pH 6.5)	>99%	0.006 +/- 10%	0.002
MERCURY (pH 8.5)	>99%	0.006 +/- 10%	0.002
METHOXYCHLOR^①	>99%	0.050	0.0001
Methylbenzene (see TOLUENE) ^①	>99%	0.078	0.001
Monochlorobenzene (see CHLOROBENZENE) ^①	>99%	0.077	0.001
MTBE (methyl tert-butyl ether)	>96.6%	0.015 +/- 20%	0.005
PARTICULATE (Nominal Particulate Reduction, Class 1, Particles 0.5 TO <1 UM)	Class 1 > 99%	At least 10,000 particles/mL	> or = 85%
POLYCHLORINATED BIPHENYLS (PCBs, Aroclor 1260)	>99.9%	0.01 +/- 10%	0.0005
PCE (see TETRACHLOROETHYLENE) ^①	>99%	0.081	0.001
PENTACHLOROPHENOL^①	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLORO BUTADIENE) ^①	>98%	0.044	0.001
Propylene Dichloride (see 1,2 -DICHLOROPROPANE) ^①	>99%	0.080	0.001
SIMAZINE^①	>97%	0.120	0.004
Silvex (see 2,4,5-TP) ^①	99%	0.270	0.0016
STYRENE (Vinylbenzene)^①	>99%	0.150	0.0005
1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE) ^①	95%	0.084	0.0046
TCE (see TRICHLOROETHYLENE) ^①	>99%	0.180	0.0010
1,1,2,2- TETRACHLOROETHANE^①	>99%	0.081	0.001
TETRACHLOROETHYLENE^①	>99%	0.081	0.001
TOLUENE (Methylbenzene)^①	>99%	0.078	0.001
TOXAPHENE	>92.9%	0.015 +/- 10%	0.003
Toxoplasma (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
2,4,5-TP (Silvex)^①	99%	0.270	0.0016
TRIBROMOACETIC ACID^①	>98%	0.042	0.001
1,2,4 TRICHLOROBENZENE (Unsymtrichlorobenzene)^①	>99%	0.160	0.0005
1,1,1-TRICHLOROETHANE (1,1,1-TCA)^①	95%	0.084	0.0046
1,1,2-TRICHLOROETHANE^①	>99%	0.150	0.0005

① Percent reduction reflects the allowable claims for Volatile Organic Chemicals/Compounds as per NSF/ANSI 53 Standard, Section 7.2.4.1.



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Substance	Percent Reduction (actual product performance)	Influent Challenge (mg/L unless specified)	Max permissible water concentration (mg/L unless specified)
TRICHLOROETHYLENE (TCE) [Ⓢ]	>99%	0.180	0.0010
TRIHALOMETHANES [Ⓢ] (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)	>95%	0.300 +/- 0.30	0.015
TURBIDITY	>99%	11 +/- NTU	0.5 NTU
VIRUS (MS2 Bacteriophage Virus Surrogate)	99.99%	1*10 ⁴ PFU/ml - 1*10 ⁵ PFU/ml	4 LRV (log reduction value)
Vinylbenzene (see STYRENE) [Ⓢ]	>99%	0.150	0.0005
XYLENES (TOTAL) [Ⓢ]	>99%	0.070	0.001

NOTES:

- Chloroform was used as a surrogate for claims of reduction of VOCs. The Wellness Kitchen tested at >99.8% actual reduction of Chloroform. Percent reduction shown herein reflects the allowable claims for VOCs as per tables in the Standard.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the unit's rated capacity has been reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
- The Wellness Kitchen includes a capacity monitor that automatically flashes blue during use, yellow for the last 10% of capacity, and red when it is time to change your filter.
- The Wellness Kitchen is warranted as follows: All parts, workmanship and materials - 1 year. All exterior hoses and attachments are also warranted for one year. Please see the Owner's Manual for complete product guarantee and warranty information.
- Please see the Owner's Manual for installation instructions and operating procedures.
- In compliance with New York law, it is recommended that before purchasing a water treatment system, NY residents have their water supply tested to determine their actual water treatment needs. Please compare the capabilities of the Wellness Kitchen with your actual water treatment needs.
- Check for compliance with state and local laws and regulations.
- While testing was performed under standard laboratory conditions, actual performance may vary.
- The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.



Wellness Kitchen - Technical Specifications	
Filtration Media	1 Micron (absolute) Carbon block 0.01 Micron (nominal) NanoCeram Wrap
Enhancement media	Magnetic Stage: Ceramic Magnets, Magnetite & Tenko-Seki® Bakuhon® Stone, Taicho® Stone, Quartz
Filtering flow rate	0.75 - 1.50 GPM (at 40 psi)
Maximum pressure (psi)	100 psi
Rated life	1,200 gallons/12 months
Operating temperatures	40°F. min - 100°F. max
Body dimensions	11.5" Wide x 8" Deep x 13.5" High Hose Length: 54"
Body weight (dry)	12.5 Pounds
Product Warranty	One year for workmanship & material defects



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