

# Natural Kitchen Filter



## **Natural 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/ANSI 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 <sup>①</sup>	>98%	0.050	0.001 <sup>3</sup>
ASBESTOS	>99.9%	10 <sup>7</sup> to 10 <sup>8</sup> fibers/L; fibers greater than 10 micrometers in length	99% reduction requirement
ATRAZINE <sup>①</sup>	>97%	0.100	0.003
BACTERIA (Raoultella terrigena)	99.9999%	1*10 <sup>5</sup> CFU/ml - 1*10 <sup>6</sup> CFU/ml	6 LRV (log reduction value)
BENZENE <sup>①</sup>	>99%	0.081	0.001
BROMODICHLOROMETHANE (TTHM) <sup>①</sup>	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM) <sup>①</sup>	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan) <sup>①</sup>	>99%	0.190	0.001
CARBON TETRACHLORIDE <sup>①</sup>	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) <sup>①</sup>	>99%	0.077	0.001
CHLOROPICRIN <sup>①</sup>	99%	0.015	0.0002
CHLOROFORM (TTHM) <sup>①</sup> (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 <sup>①</sup>	98%	0.110	0.0017
DBCP (see Dibromochloropropane) <sup>①</sup>	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE) <sup>①</sup>	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE) <sup>①</sup>	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane) <sup>①</sup>	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP) <sup>①</sup>	>99%	0.052	0.00002
o-DICHLOROBENZENE (1,2 Dichlorobenzene) <sup>①</sup>	>99%	0.080	0.001
p-DICHLOROBENZENE (para-Dichlorobenzene) <sup>①</sup>	>98%	0.040	0.001
1,2-DICHLOROETHANE (1,2-DCA) <sup>①</sup>	95%	0.088	0.0048
1,1-DICHLOROETHYLENE (1,1-DCE) <sup>①</sup>	>99%	0.083	0.001
CIS-1,2-DICHLOROETHYLENE <sup>①</sup>	>99%	0.170	0.0005
TRANS-1,2- DICHLOROETHYLENE <sup>①</sup>	>99%	0.086	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride) <sup>①</sup>	>99%	0.080	0.001
CIS-1,3- DICHLOROPROPYLENE <sup>①</sup>	>99%	0.079	0.001
DINOSEB <sup>①</sup>	99%	0.170	0.0002
EDB (see ETHYLENE DIBROMIDE) <sup>①</sup>	>99%	0.044	0.00002
ENDRIN <sup>①</sup>	99%	0.053	0.00059
Entamoeba (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
ETHYLBENZENE <sup>①</sup>	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB) <sup>①</sup>	>99%	0.044	0.00002
Furadan (see CARBOFURAN) <sup>①</sup>	>99%	0.190	0.001
Giardia Lamblia (see CYST)	>99.95%	minimum 50,000/mL	99.95%

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)
<b>HALOACETONITRILES (HAN)</b> <sup>①</sup>			
<b>BROMOCHLOROACETONITRILE</b>	98%	0.022	0.0005
<b>DIBROMOACETONITRILE</b>	98%	0.024	0.0006
<b>DICHLOROACETONITRILE</b>	98%	0.0096	0.0002
<b>TRICHLOROACETONITRILE</b>	98%	0.015	0.0003
<b>HALOKETONES (HK):</b> <sup>①</sup>			
<b>1,1-DICHLORO-2-PROPANONE</b>	99%	0.0072	0.0001
<b>1,1,1-TRICHLORO-2-PROPANONE</b>	96%	0.0082	0.0003
<b>HEPTACHLOR</b> <sup>①</sup>	>99%	0.25	0.00001
<b>HEPTACHLOR EPOXIDE</b> <sup>①</sup>	98%	0.0107	0.0002
<b>HEXACHLORO BUTADIENE (Perchlorobutadiene)</b> <sup>①</sup>	>98%	0.044	0.001
<b>HEXACHLOROCYCLOPENTADIENE</b> <sup>①</sup>	>99%	0.060	0.000002
<b>LEAD (pH 6.5)</b>	>99.3%	0.15 +/- 10%	0.010
<b>LEAD (pH 8.5)</b>	>99.3%	0.15 +/- 10%	0.010
<b>LINDANE</b> <sup>①</sup>	>99%	0.055	0.00001
<b>MERCURY (pH 6.5)</b>	>99%	0.006 +/- 10%	0.002
<b>MERCURY (pH 8.5)</b>	>99%	0.006 +/- 10%	0.002
<b>METHOXYCHLOR</b> <sup>①</sup>	>99%	0.050	0.0001
Methylbenzene (see TOLUENE) <sup>①</sup>	>99%	0.078	0.001
Monochlorobenzene (see CHLOROBENZENE) <sup>①</sup>	>99%	0.077	0.001
<b>MTBE (methyl tert-butyl ether)</b>	>96.6%	0.015 +/- 20%	0.005
<b>PARTICULATE (Nominal Particulate Reduction, Class 1, Particles 0.5 TO &lt;1 UM)</b>	Class 1 > 99%	At least 10,000 particles/mL	> or = 85%
<b>POLYCHLORINATED BIPHENYLS (PCBs, Aroclor 1260)</b>	>99.9%	0.01 +/- 10%	0.0005
PCE (see TETRACHLOROETHYLENE) <sup>①</sup>	>99%	0.081	0.001
<b>PENTACHLOROPHENOL</b> <sup>①</sup>	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLORO BUTADIENE) <sup>①</sup>	>98%	0.044	0.001
Propylene Dichloride (see 1,2 -DICHLOROPROPANE) <sup>①</sup>	>99%	0.080	0.001
<b>SIMAZINE</b> <sup>①</sup>	>97%	0.120	0.004
Silvex (see 2,4,5-TP) <sup>①</sup>	99%	0.270	0.0016
<b>STYRENE (Vinylbenzene)</b> <sup>①</sup>	>99%	0.150	0.0005
1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE) <sup>①</sup>	95%	0.084	0.0046
TCE (see TRICHLOROETHYLENE) <sup>①</sup>	>99%	0.180	0.0010
<b>1,1,2,2- TETRACHLOROETHANE</b> <sup>①</sup>	>99%	0.081	0.001
<b>TETRACHLOROETHYLENE</b> <sup>①</sup>	>99%	0.081	0.001
<b>TOLUENE (Methylbenzene)</b> <sup>①</sup>	>99%	0.078	0.001
<b>TOXAPHENE</b>	>92.9%	0.015 +/- 10%	0.003
Toxoplasma (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
<b>2,4,5-TP (Silvex)</b> <sup>①</sup>	99%	0.270	0.0016
<b>TRIBROMOACETIC ACID</b> <sup>①</sup>	>98%	0.042	0.001
<b>1,2,4 TRICHLOROBENZENE (Unsymtrichlorobenzene)</b> <sup>①</sup>	>99%	0.160	0.0005
<b>1,1,1-TRICHLOROETHANE (1,1,1-TCA)</b> <sup>①</sup>	95%	0.084	0.0046
<b>1,1,2-TRICHLOROETHANE</b> <sup>①</sup>	>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) <sup>Ⓢ</sup>	>99%	0.180	0.0010
TRIHALOMETHANES <sup>Ⓢ</sup> (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 <sup>4</sup> PFU/ml - 1*10 <sup>5</sup> PFU/ml	4 LRV (log reduction value)
Vinylbenzene (see STYRENE) <sup>Ⓢ</sup>	>99%	0.150	0.0005
XYLENES (TOTAL) <sup>Ⓢ</sup>	>99%	0.070	0.001

## NOTES:

- Chloroform was used as a surrogate for claims of reduction of VOCs. The Natural 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 Natural Kitchen is warranted as follows: All stainless steel components - Lifetime. All other components excluding filter cartridge - 1 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 Natural 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.



Natural Kitchen Technical Specifications	
Filtration Media	0.5 Micron Carbon Block / 0.02 Micron Nano Fiber Wrap
Maximum Flow Rate	1.5 gpm (5.68 lpm)
Pressure Range	20 - 100 psi (1.38 - 6.89 bar)
Rated Cartridge Life	1,200 gallons (4,542 liters) or 1 year
Operating Temperatures	40° - 100° Fahrenheit (5° C - 38° C)
System Dimensions	8.25" H x 6.5" W (21 x 16.5 cm)
Cartridge Dimensions	7.25" H x 4.5" W (18.4 x 11.4 cm)
Product Warranty	Lifetime Stainless / 1 Year Other Components

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