



## Countertop Reverse Osmosis Water Dispenser

### Model: WD-K19-S / WD-K19-H

#### SGS Tested and Certified

Testing performed under NSF/ANSI standards 42 & 53 & 58. This system has been tested according to NSF /ANSI 42 & 53 & 58 for the reduction of substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permittable limit for the water leaving the filter as specified in NSF/ANSI 42 & 53 & 58.

NSF/ANSI Standard 42 – Aesthetic Effects				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Dissociate chlorine residue	1.92 ppm	>99.47%	<0.01 ppm	≥50%
Chloramine	3.00 ppm	>99.66%	<0.01 ppm	≥80%
NSF/ANSI Standard 53&58 – Health Effects				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Total dissolved solids (TDS)	1090 ppm	97.34%	29 ppm	≥75%
Nitrate (as N)	34.940 ppm	91.90%	2.83 ppm	10 ppm
Fluoride	9.6 ppm	97.92%	0.20 ppm	1.5 ppm
Arsenic (As)	0.27464 ppm	99.55%	0.00124 ppm	0.01 ppm
Chromium-VI	0.155 ppm	>97.41%	<0.004 ppm	0.1 ppm
Lead (Pb)	0.12822 ppm	>99.94%	<0.00007 ppm	0.005 ppm
Copper (Cu)	4.05513 ppm	>99.99%	<0.00009 ppm	1.3 ppm
Microbial reduction testing				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Total coliforms	$3.2 \times 10^5$	>99.99%	<1 CFU/100mL	99.99%
NSF/ANSI Standard 53 – Health Effects – Volatile organic chemicals (VOCs) included by surrogate testing				
Substance	Influent Challenge Concentration (mg/L)	Percent Reduction	Product Water Concentration (mg/L)	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
chloroform	0.2698	99.93%	0.0002	95%

Antibiotic reduction testing			
Substance	Influent Challenge Concentration (µg/L)	Percent Reduction	Product Water Concentration (µg/L)
Ampicillin	10.154	99.95%	0.005
Amoxicillin	9.657	99.87%	0.013
Tetracycline	11.405	99.95%	0.006
Oxytetracycline	10.762	99.91%	0.010
Chlorotetracycline	10.284	>99.95%	<0.005
Sulfadiazine	9.972	99.83%	0.017
Sulfamethazine	10.182	99.83%	0.017
Roxithromycin	9.772	97.43%	0.251
Norfloxacin	9.948	>99.94%	<0.005