

# Waterdrop

## Countertop Reverse Osmosis Water Dispenser

### Model: WD-C1S / WD-C1H

#### 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 permissible 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	1.93 ppm	>99.48%	<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	94.95%	55 ppm	≥75%
Nitrate (as N)	37.20 ppm	93.23%	2.52 ppm	10 ppm
Fluoride	9.7 ppm	97.94%	0.20 ppm	1.5 ppm
Arsenic (As)	0.29908 ppm	98.51%	0.00447 ppm	0.01 ppm
Chromium-VI	0.152 ppm	>97.36%	<0.004 ppm	0.1 ppm
Lead (Pb)	0.12738 ppm	>99.94%	<0.00007 ppm	0.005 ppm
Copper (Cu)	4.05351 ppm	>99.80%	<0.00795 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	$7.2 \times 10^5$	>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	0.2826	>99.33%	0.0019	95%

Antibiotic reduction testing			
Substance	Influent Challenge Concentration (µg/L)	Percent Reduction	Product Water Concentration (µg/L)
Ampicillin	10.316	>99.95%	<0.005
Amoxicillin	9.856	>99.94%	<0.005
Tetracycline	10.806	99.93%	0.008
Oxytetracycline	10.047	99.85%	0.015
Chlorotetracycline	10.667	99.94%	0.006
Sulfadiazine	9.867	98.79%	0.119
Sulfamethazine	9.771	98.92%	0.106
Roxithromycin	11.788	98.91%	0.129
Norfloxacin	9.625	>99.94%	<0.005